```
Result
No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Run
                                                                                                                                                                                                                                                                                                                                                                                        Post-processing: Minimum Match 0%
Maximum Match 100%
Listing Eirst 45 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                          Minimum DB
Maximum DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                         Database
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OM protein - protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CH
uar
                                                                                                                                                                                                                                                                                                     Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                  Score
                                                                                                                                                                                                                                                                                                                                                                                                                          seq
                                                                                                                                                                                                                                                                                                                                                                                                                          length: 0
length: 200000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-503-387-3
1786
1 MSPSPTALFCLGUCLGRVPA......
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BLOSUM62
Gapop 10.0 ,
  Match Length
                                                                                                                                                                                                                                                                                                                                      PIR_76:*
1: pir1:*
2: pir2:*
3: pir3:*
4: pir4:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   283308 seqs,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                October 23,
                                                                                                                                                                                                                                                                     Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Copyright
  2003, 09:38:24 ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GenCore version (c) 1993 - 2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gapext 0
                                                                                                                                                                                                                                                            ü
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   96168682 residues
                          G02034
A40807
T46433
A42013
A42013
OMHU1B
S19252
I56110
A35902
A38096
A43359
                                                                                                             G01924
I61725
T09402
A53434
G01923
                                                                                                                                                               146020
JH0332
JC5894
JC5896
JC5895
G02630
JC5895
G011925
B53434
  FCMSG1
A43425
D70863
                                                                                                                                                       A56247
                                                                                                                                                                                                                                   75897
                                                                                                                                                                                                                                                                                      SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              / Search time 40 Seconds
(without alignments)
815.030 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          5.1.6
Compugen Ltd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              .KSHGGODGGRQDVHSRGLCS
                                hypothetical prote
alpha-1-8-glycopro
alpha-1-8-glycopro
heparam Suifate pr
re-gamma (IIG) rec
perfecan precursor
                                                                                                                                                     FC gamma 2 receptor light (FC) receptor, killer cell inhibit killer cell inhibit FCalphasb - human killer cell inhibit killer cell inhibit killer cell inhibit killer cell surface glycomatural killer cell surface glycomatural killer cell
                                                                                                                              KIR (cl-2) NK rece
natural killer ass
immunoglobulin-lik
                                                                                                                                                                                                                                         glycoprotein VI-1
         Fc gamma (IgG) rec
Bravo/Nr-CAM cell
                                                                                              membrane g
                                                                                                      KIR (cl-5) NK rece
killer cell inhibi
                                                                                                                      cell surface glyco
                                                                                                                                                                                                                                                            Description
                           microtubule-associ
                                                                                                                                                                                                                                   tiler cell inhibi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9
                                                                                             Lycoprot
```

1612 2 T30805 4162 2 T42636 4162 2 T42633 257 2 S00682 257 2 S00682 375 2 T19821 285 2 T39821 285 2 T89603 3739 2 TN0581 973 2 T02837 330 2 T02837 330 2 T49660 267 2 T2882 1651 2 T14160 267 2 T14160 267 2 T14160
---

## ALIGNMENTS

RESULT JC7509

glycoprotein VI-1 - human C;Species: Homo sapiens (man)

#text\_change 30-Jun-2001

```
c;Date: 30-Jun-2001 #sequence revision 30-Jun-2001 #text_cr
C;Accession: JC7509; PC7101
R;Ezumi, Y.; Uchiyama, T.; Takayama, H.
Biochem. Biophys. Res. Commun. 277, 27-36, 2000
A;Title: Molecular cloning, genomic structure, chromosomal
A;Reference number: JC7509; MJID:20483673; PMID:11027634
A;Contents: Placelet
                                                                                                                                                                                                                                                                                                                                                                                                                                     A;Map position: 19q13.4
A;Introns: 62/1; 95/1; 353/1; 638/1; 692/1; 752/1;
C;Keywords: glycoprotein; immunoglobulin; platelet
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A;Molecule type: protein
A;Rosidues: 28-41;62-79;14-142 <EZZ>
C;Comment: This protein, which belongs to the immunoglobulin superfamily, is the major gamma chain as a signal transducing subunit, and plays some roles in cancer cells C;Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A;Accession: JC7509
A;Molecule type: mRNA
A;Residues: 1-339 <EZUv
A;Cross-references: DDBU:ABC43819
A;Accession: PC7101
A;Accession: PC7101
             Ş
                                          밁
                                                                  Ó
                                                                                                        В
                                                                                                                                       Ś
                                                                                                                                                                             g
                                                                                                                                                                                                     Ş
                                                                                                                                                                                                                                            8
                                                                                                                                                                                                                                                                         Š
                                                                                                                                                                                                                                                                                                             8
                                                                                                                                                                                                                                                                                                                                         Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A;Gene:
                                                                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                             iccal Sim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              gpVI-1
                                                                                                            181
                                                                                                                                              181
                                                                                                                                                                              121
             301
                                              241
                                                                              241
                                                                                                                                                                                                             121
                                                                                                                                                                                                                                                ē
                                                                                                                                                                                                                                                                              51
                                                                                                                                                                                                                                                                                                             Similarity
                                                                                                                                                                                                                                            KLSSSRYQDQAVLFIPAXKRSLAGRYRCSYQNGSLWSLPSDQLELVATGVFAKPSLSAQP
RGRAVQRPLPPLPPLPQTRKSHGGQDGGRQDVHSRGLCS
                                                                                                                                VSFSSRDPYLMSAPSDPLELVVTGTSVTPSRLPTEPPSSVAEFSEATAELTVSFTNKVFT
                                                                                                                                                                                                 GPAVSSGGDVTLQCQTRYGFDQFALYKEGDPAPYKNPERWYRASFPIITVTAAHSGTYRC
                                                                                                                                                                              GPAVSSGGDVTLQCQTRYGFDQFALYKEGDPAPYKNPERWYRASFPIITVTAAHSGTYRC
                                            TETSRSITTSPKESDSPAGPARQYYTKGNLVRICLGAVILIILAGFLAEDWHSRRKRIRH
                                                                                                             YSESSADPYLWSAPSOPLELVVTGTSVTPSALPTEPPSSVAEFSEATAELTVSETNKVPT
                                                                                                                                                                                                                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 1786; DB 2; 100.0%; Pred. No. 8.1e-123;
                                                                                                                                                                                                                                                                                                                                                                              0
                                                                                                                                                                                                                                                                                                                                                                              Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                               803/1
                 339
                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                             Length 339;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             localization, and
                                                                                                                                                                                                                                                                                                                                                                              0,
                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                   120
                                                                                                                                                                                                                                                                                                                 60
                                                                                                                                                                                  180
                                                                                                                                                                                                                  08.1
                                                                                                                                                                                                                                                                                120
                                                                                                                                                                                                                                                                                                                                                60
                                                 SCE
                                                                                                                                                 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               alterna
```

당

υ 13:1

RGRAVQRPUPPLPPLPQTRKSHGGQDGGRQDVH8RGLCS

225

```
RESULT 3
146020
146020
FC gamma 2 receptor precursor - bovinc
C;Species: Bos primigenius taurus (cattle)
R;Salus: Salus: Salus: Salus: Tregaskes, C.A.; Sopp, P.; Howard, C.J.
J: Immunol. 155, 1534-1541, 1995
A;Title: Identification of a novel class of mammalian Pc gamma reco;
A;Reference number: 146020; MUID:95363119; PMID:7636215
A;Reference number: 146020; MUID:95363119; PMID:7636215
A;Rolecule type: mRNA
A;Residues: 1-264 < ZHA>
A;Cross-references: EMBG:237506; NID:g732571; PIDM:CAA85736.1; PID:graverds: immunoglobulin receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 2
(C5997
(C1597)

Killer cell inhibitory receptor p9: precursor - human
(C1596)
(C1500)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A)Status: nucleic acid sequence not shown

A;Molecule type: mRNA

A;Residuse: I-466 cYANA

A;Cross-references: GB:AFC41034; NID:g2791689; PIDN:AN596926.1; PID:g2791690

C)Comment: This protein function as ingibitory cell-surface molecule against
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ę,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ď
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ü
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ş
Query Match
Sest Local Sim
Matches 112;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local S
Matches 126
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ;1-23/Domain:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             position: 19g13.3-13.4
                              Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               237
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 12:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             296
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       223
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    σ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              رب
د
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MSPSPTALFCLGLCLG-RVFACSGPLPKPSLQALPSSLVPLEKPVTLRCCGPPGVD---L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SKPTLSALPSPVVTLGGNVTLQCVSQVAFDGFTLCKEGED---EHPQRLNSKSHARGSSR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AKPSISAQPGPAVSSGGDVTIQCQTRYGFDQFALYKEGDPAPYKNPSRW------YR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    YRENKSASWYRRIQEPGKNGQFPIPSITWEHAGRYHCQYYSHNHSSEYSDPLELVVTGAY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MTPILTVLICLGUSLGPRTHVQAGHLEKPTLWAEPGSVIJQGSPVTLRCCGSLQAEEVHL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LGAVILIILAGELABOWHSRRKRLRHRGRAVÇRPLPPLPPLPQTRKSHG 323
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GESLTLQCVSDVGYDRFVLYKEGERDLRQLPGRQPQ-AGLSQANFTLGPVSRSYGGQYRC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FSEATAELT--VSFTNKVFTTETSRSITTSPKESDSPAGPARQYYTKGMLVRI-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AIFSVGPVSENRRWSHRCYGYDLNSPYVWSSPSDLLELLVPGVSKKPS-LSVQFGPVVAP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ASEPTITVIAAHSGTYRCYSTSSRDPYLWSAPSDPLELVVTGTSVTPSRLPTEPPSSVAE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               YRLEKISS--SRYQD---QAVLFIPAMKRSINGRYRCSYQNGSLWSIPSDQIELVATGVF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           signal seguence #status predicted <SIG>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         24.0%; Score 428.5; DB 2; 36.1%; Pred. No. 9.1e-24; active 43; Mismatches 127;
                        23.9%;
      37;
   Score 426.5; 1
Pred. No. 6.5e
37; Mismatches
   5; DB 2;
5.5e-24;
ces 87;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PSDPLDIL-ITGQIHG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
   Indels
                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        p91, a novel murine regulatory
                                                                                                                                                                                                                                                                                                                                                                                         C.J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   456;
   109;
                                                                                                                                                 PID: g732572
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            U1
U2
                                                                                                                                                                                                                                                                                                                                                                                                                                                    05-Nov-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Nishikawa,
ತಿದ್ದಾಣ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  236
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          222
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         29.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       274
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cell
   æ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        activa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ohya
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A;Residues: 1-287 <MALS
A;Cross-references: GB:X54150; KID:g31329; PIDN:CAA38089.1;
A;Experimental source: myeloid cell liver V937
R;de Wit, T.P.; Morton, H.C.; Capel, P.J.; van de Winkel, J. Immunol. 155, 1203-1209, 1995
A;Title: Structure of the gene for the human myeloid IgA Fo A;Reference number: I37224; MCID:95363085; PMID:7636188
A;Accession: I37224
                                                                                                                                                                                                                                                                                                                                                 A:Cross-references: GDB:127543; CMIM:147045
A:Map position: 19413.2-1943.4
A:Introns: 12/1; 2/4/1; 12/1/: 2:7/1
C:Keywords: 92:ycoprotein; immunoglobulin receptor; transmembran F:1-21/Domain: signal sequence #status predicted <SIG> F:22-297/Product: IGA receptor Fc alpha #status predicted <MFC> F:28-246/Domain: transmembrane #status predicted <TRA> F:65,79,141,177,186/Binding site: carbohydrate (Asn) (covalent)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TyA (F0) receptor, myeloid cell (CD89) procursor - human K;Alternate names: myeloid glycoprotein CD89 C;Species: Homo sapiers (man) C;Species: Homo sapiers (man) C;Date: 12-Feb-193 #sequence revision 12-Feb-1993 #text_change 05-Nov-1999 C;Accession: JH033; 137224; S14405 R;Maliszewski, C.R.; March, C.J.; Schoenborn, M.A.; Gimpel, S.; Shen, L. J. Exp. Med. 172, 1665-1672, 1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ρ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         å
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ş
   Вb
                                                       Ş
                                                                                                                     문
                                                                                                                                                                          Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A,Title: Expression cloning of a human Fc receptor for A,Reference number: CH0332; MUID:91079769; PMID:2259598 A,Accession: JH0332
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ij
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ä
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A; Gene: GDB:FCAR; CD89
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C; Genetics
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A; Cross-references:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A;Molecule type: DNA
A;Residues: 1-287 <RES>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A;Status: preliminary; translated from GB/EMBL/DDBJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A; Molecule type: mRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CH0332
                                                                                                                                                                                                                                           Best Loc
Matches
                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                    Local Similarity
wes 100; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.83
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  160
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  241 LLLL-GIL-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        226
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             220
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         61 NKEGDSTPWNIHPSLEPWDKANFFISNVREQQAGRYHCSHFIGVNWSEPSEPLDLLVAGE
      61 MIIKNŠTYREIGRRLKFWNETDPEFVÍDHMDANKAGRYQCQYRIGHYRFRYSDTLELVVT 120
                                                                                                                                                                                _
                                                                                                                                                                       WSBSETALECIGNOIG-RVEACSGELEKESLQALESSIVELEKEVTIRGGGEEGVELYRL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EPAGRIRDRPSISVRPSPSVAPGENVTLLCQSGNRTDTFLLSKEGAAHRPLRLRSQDQDG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ----VFAKPSLSAQPGPAVSSGGDVTLQCQTRYGFDQFALYKEG---DPAPYXNPER--
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MAPTLPALLCIGLSVGLRTQVQAGTFPKPITWAEPSSVVPLGSSVTILCQGPPNTKSFSL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LIILAGFLAEDWHSREKRURHRGRAVQRPUPFLPPUPQTRKSHGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             VAEFSEATAELTVSFTMKVFTTETSRSITTSFKESDSFAGPARQYYTKGNLVRICLGAVI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WYRASFPIITVTAAHSGTYRCYSESSRDPYLWSAPSDPLELVVTGTSVTPSRLFTEPPSS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EKLSSS-----RYCOQAVLFIPAMKRSLAGRYRCSYQNGSLWSLPSDQLELVATG-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WSPSPTALFCUGLCLG-RVPAQSGPLPKPSUQALPSSLVPLEKPVTLRCQGPPGVDLYRL
                                                                                                                        MDPKQTTL1CLVLCLGQRIQAQEGDFPMPFISAKSSPVIPLDGSVKIQCQAIREAY1TQL 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WYQAEFSLSPVTSAHCGTYRCYRSLSTNPYLLSQPSEPLALLVAD
                                                                                                                                                                                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EMBL: X87767; NID: g963041;
                                                                                                                                                                                                                                                                21.9%;
                                                                                                                                                                                                                                           43.
                                                                                                                                                                                                                                           Pred. No. 2.3:
3; Mismatches
                                                                                                                                                                                                                                                                   Score 392; DB 2;
Pred. No. 2.3e-21;
                                                             -QAVLFIPAMKRSLAGRYRCSYQNGSLWSLPSDQLEUVAT 108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PIDN: CAA61039.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LCQARHDHGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                transmembrane
                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                          (covalent)
                                                                                                                                                                                                                                           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     -YTMQNLIRMGLAASV
                                                                                                                                                                                                                                                                                                     287
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             324
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PID:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  257
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PID:g1054737
                                                                                                                                                                                                                                                                                                                                                             #status
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (CD89)
                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                             predicted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                279
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          .a
80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       507
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     159
```

```
RESULT 6

JC5896

Killer dell inhibitory receptor p310 precursor - mot Killer dell inhibitory receptor p310 precursor - mot C;Species: Mus musculus (house mouse)
C;Date: 18-Mar-1998 #sequence_revision 18-Mar-1998 #S;Accession: JC5896
C;Accession: JC5896
R;Yammashita, Y.; Fukuta, D.; Tsuji, A.; Nagabukuro, J. Biochem. 123, 358-368, 1998
A;Title: Genomic structures and chromosemal location A;Reference number: JC5894; MUID:98218758; PMID:9538 A;Accession: JC5896
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A;Map position: 7

A;Map position: 7

F;1-23/Domain: signal sequence #status predicted <SIG>
F;24-841/Product: killer ceil inhibitory receptor p91A #status
F;24-118;119-220;221-315;316-418,419-517;518-618/Domain: extrac
F;636-674/Domain: transmembrane #status predicted <TMM>
F;675-765/Domain: cytoplasmic #status predicted <CYT>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A,Molecule type: DNA
A,Residues: 1-841 </AM>
A,Residues: 1-841 </AM>
A,Cross-references: GB:AF640946
C,Comment: This protein function as inhibitory cell-surface C,Comments:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 5

JOS894

ACS894

Killer cell inhibitory receptor p91A precursor - mouse

Clarke: 18-Mar 1998 #sequence_revision 18-Mar 1998 #text_change 17-Mar 1999

Claccession: JCS894

RyYamashta, Y: Fukuta, D: Tsuji, A: Nagabukuro, A: Matsuda, Y: Nishikawa,
J. Biochem. 123, 358-368, 1998

A; Title: Genomic structures and chromosomal location of p91, a novel murine regn
A; Reference number: JCS894; MUID:98218758; PMID:9538215

A; Accession: JCS894
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            끖
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ŝ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       å
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                당
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local s
Matches 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 nucleic acid sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       217
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  228
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   :21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 109
                                                                                                                                                                                                                                                                                                                                                                                                      400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1.3
1.3
1.4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            220
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               288
                                                                                                                                                                                                                                                                                                                                                                                                                                                           58,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 -)
-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (1)
(1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     6
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FFIPSMTRQHAGOYROYCYGSAGWSQPSDTLELWYTGIYEHYKERLSVLPSEVVTAGGIM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AEDWHSRRKRLRHRGRAVQRP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AELTVSFTNKVFTTETSRSITTSPKESDSPAGPARQYYTKGNUVRICUGAVILIILAGFL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GLYGKPFLSADRÖLVLMPGENISLTCSSAHIPFDRPSLAKEGELSLPQHQSGEHPANFSL
                                                                                                                                                                                                                                                                                                                                                                                                   KNAPQUWSVPSDLQQILISGUSKKPSLL
                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEDPYLWSAPSDELELVVTGTSVTPSEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TLQCOTRYGEDQEALYKEGD-----PAPYKNPERWYRASEPIITVTAAHSGTYRCYSES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 -FIPAMKRSLAGRYRGSYQNGSIMSLESDQLELVATGVFA--KESLSAGPGPAVSSGGDV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SGNIOKPTIKAEFGSVITSKRAMTIWOQGNIDAEVYFLHNEGSQKTQSTQTIQQPGNKGK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SGPLPKPSLOALPSSLVPLEKFVTLRCCGPPGVDLYRLEKLSSSRYQDCAVL------
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          VENWHSETALNKEASADVAEP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GPVDLNVSGIYRCYGWYNRSPYLWSFPSNALELVVT----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ITVTAAHSGTYRCYSESSROPYLMSAPSOPLELVYTGTSVTPSRLPTEPPSSVAEESBAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CALVELANDA SA TENDES SE LA LA LA COLLA LA LA LA COLLA LA COLLA LA CALVELA CALV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TLHCASDFHYDKFILTKEDKKFGNSLDTEHISSSROYRALFIIGPTTPTHTGTFRCYGYF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                        ructures and chromosomal location of JC5894; MUID:98218758; PMID:9538215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20.9%;
38.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ري
ال
۲۰
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 372.5; DB 2;
Fred. No. 2.2e-19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    266
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 shown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
                                                                                                                                                                                18-Mar-1998 #text_change
                                                                                                                            Nagabukuro, A.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       -DS----IHQDYTTQNLIRMAVAGUVEVALUAIL
                                                                                                                                                                                                                                                                                                                                                                                                                                                              . 212
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     76;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         hength
                                                                    p91,
                                                                                                                            Matsuda,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               status predicted
extracellular I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 molecule
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  17;
                                                                    novel
                                                                                                                                                                                          05-Nov-1999
                                                                                                                               Y.; Nishikawa,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           murine regulatory
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Saps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              against
                                                                          murine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ig-like
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           227
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (D)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1
                                                                    regulatory
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  #Status
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              activa
                                                                                                                               Chya
      killer cell inhibitory receptor p918 pr
C;Species: Mis musculus (house mouse)
C;Date: 18-Mar-1998 #sequence_revision
C;Accession: JCS895
R;Yamashita, Y.; Fukuta, D.; Tsuji, A.;
J. Biochem. 123, 358-368, 1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT
G02630
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           냥
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FcalphaRb -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Я
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         á
                                                                                                                                                                                                                                                                                                                                                                 S
                                                                                                                                                                                                                                                                                                                                                                                                                               C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Cuery Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          135
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       220
                                                                                                                                                                                                                                                                                                                181
                                                                                                                                                                                                                                                                                                                                                                       168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               400
                                                                                                                                                                                                                                                                                                                                                                                                                               121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   රා
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              84;
               Fukuta, D.; Tsuji, A.; Nagabukuro, 358-368, 1998
```

```
A;Molecule type: mRNA
A;Residues: 1-835 <VANN>
A;Residues: 1-835 <VANN>
A;Residues: 1-835 <VB:AF041036; NID:g2791693; PIDN:AAB96928.1; PID:g2791694
A;Cross-references: GS:AF041036; NID:g2791693; PIDN:AAB96928.1; PID:g2791694
C;Comment: This protein function as ingibitory cell-surface molecule against E;1-23/Domain: Signal sequence #status predicted <SIG>
F;24-118;119-220,221-315,316-418,419-517,518-618/Domain: extracellular Ig-118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A;Status: nucleic acid sequence A;Molecule type: **DV*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A;Status: preliminary; translated
A;Molecule type: mRNA
A;Residues: 1-239 <VAN>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A;Reference number: H01508
A;Accession: G02630
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              C;Accession: G02630
R;van Dijk, T.B.; Morton, H.C.; Caldenhoven, E.;
submitted to the EMBL Data Library, April 1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A;Cross-references: EMBL:U56236; NID:g1326228; PTD:g1326229
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;Species: Homo sapiens (man)
;Date: 21-Dec-1996 #sequence_revision 06-Jun-1997 #text_change 17-Jul-1998
                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               74 -FIPAMKRSLAGRYRCSYQNGSLWSLPSDQLELVATGVFA--KPSLSAQPGPAVSSGGDV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    . Similarity
78; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SGPLPKPSLQALPSSLVPLEKEVTLRCQGPPGVDLYRLEXLSSSRYQDQAVL-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FFIPSVTQQHAGQYRCYCYSSAGWSQPSDTLELVVTGIYEHYKPRLSVLPSPVVTAGGNM
GPVDLNVSGIYRCYGWYNRSPYLWSFPSNALELVVTG
                                                ITVTAAHSGTYRCYSFSSRDPYLWSAPSDPLELVVTG 204
                                                                                          GLYGKPFLSADRGIVLMPGENISLTCSSAHIPFDRFSLAKEGEISLPQHQSGEHPANFSI
                                                                                                                                        GVFAKPSLSACPGPAVSSGGDVTLCCQTRY-GFDQFALYKFGDPAPYKNPERWYRASFPI
                                                                                                                                                                                             MITKNSTYREIGRRUKFWNEIDPEFVIDHMDANKAGRYQCQYRI
                                                                                                                                                                                                                                        EKUSSSRYQD------QAVUFIPAMKRSLAGRYRCSYCNGSLWSLPSECLELVAT
                                                                                                                                                                                                                                                                                           MOPKQTTLLCLVLCLGQRTQAQEGDFPMPFTSAKSSPVIPLOGSVKTQCQA1REAYLTQL
                                                                                                                                                                                                                                                                                                                                        WSDSELVILLICICIC-EARNOSGETEKSTOVILSSTABTEKSALTECOGESORGATEKET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              KNAPQLWSVPSDLQQILISGLSKKPSLL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SRDPYLWSAPSDPLELVVTGTSVTPSRL 212
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TLHCASDFHYDKFILTKEDKKFGNSLDTEHISSSRCYRALFIIGPTTPTHTGTFRCYGYF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TLQCQTRYGFDQFALYXEGD-----PAPYKNPERWYRASFPIITVTAAHSGTYRCYSFS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SGNLQKPTI KAEPGSVIASKRAMTI WCQGNLDAEVYFLHNEGSQKTQSTQTLOOFGNKGR
                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20.5%;
37.5%;
                                                                                                                                                                                                                                                                                                                                                                                                            20.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ;;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       not
                                                                                                                                                                                                                                                                                                                                                                                        (J)
                                                                                                                                                                                                                                                                                                                                                                                        Score 358.5; DB 2
Pred. No. 5.2e-19;
S; Mismatches 85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 365.5;
Pred. No. 5.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               from GB/EMBL/DDBJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       shown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 427
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    5.2e-19;
ches 75;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                        ⊇B 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Bracke,
  217
                                                                                                                                                                                                                                                                                                                                                                                           Indeis
                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               :<
:
                                                                                                                                                                                                IGHYRFRYSDTLELVVT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ig-like
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               J. A. M
                                                                                                                                                                                                                                                2 08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              399
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (£)
                                                                                                                                                167
                                                                                                                                                                                                                                                                                             on
O
                                                                                                                                                                                                                                                                                                                                             ທ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         279
                                                                                                                                                                                                120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0
```

precursor 18-Mar-1998

#text

change

05-Nov-1999 Y.;

A.; Matsuda,

...

```
RESULT 9
G01925
KIR (C1-11) NK receptor precursor protein - human
C;Species: Homo sapiens (man)
C;Dace: 21-Dec-1996 #sequence_revision 06-Jun-1997 #
C;Dace: 21-Dec-1996 #sequence_revision 06-Jun-1997 #
C;Accession: 301925; 161726
R;Magtmann, N.
R;Magtmann, N.
Submitted to the EM31 Data Library, June 1995
5:Peference number: 308752
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A,Map position: 7
F;1-23/Domain: signal sequence #status predicted <SIG>F;1-23/Domain: signal sequence #status predicted <SIG>F;24-118,119-220,221-315,316-418,419-517,518-659/Domain: transmembrane #status predicted <CMM>F;636-674/Domain: cytoplasmic #status predicted <CYT>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A;Title: Genomic Structures and chromosomal location of A;Reference number: JC5894; MUID:98218758; PMID:9538215 A;Accession: JC5895
A;Status: nucleic acid sequence not shown A;Molecule type: mRNA A;Molecule type: mRNA A;Residues: 1-680 <YAM>
A;Cross-references: GB:AF041035; NID:g2791691; FIDN:AAB3 C;Comment: This protein function as inhibitory cell-surf C;Senetics:
A, Status preliminary; translated from GB/EMBL/DDBJ
A, Molecule type: mRRA
A, Mosidues: 1.444 «KMG»
A, Cross-references: EMBL:330274; MID:g1004360; FIDM:AAB52522.1; PID:g1004361
A, Cross-references: EMBL:330274; MID:g1004360; FIDM:AAB52522.1; PID:g1004361
A, Colonna, M.; Samaridis, J.
Science 266, 405-408, 1995
A, Title: Cloning of immunoglobulin-superfamily members associated with HLA-C
A, Reference number: A56247; MUID:95212526; PMID:7716543
A, Accession: 161726
A, Status: preliminary; translated from GB/EMBL/DDBC
A, Molecule type: mRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    문
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      당
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                    B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 á
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ũ
                                                                                                                                                                                                                                                                                                                                                                                     밁
                                                                                                                                                                                                                                                                                                                                                                                                                 Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches 106;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                    580
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      223
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       520
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2:2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        460
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        34€
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          220
                                                                                                                                                                                                                                                                                                                                                                                                                   255
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     185
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           7,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Similar:ty
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Thisbasan---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GADIMCHSSQQTDIGESVANETIGYVSSSTGGCYRCYGAHNLSSHWSASSEFLDILITGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SREPYLWSAPSDPLELVVTGTSVTPS----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      THEASQGHYDKFILTKEDKKFANALDTEHISSSRQYQALFIIGPTTPTHTGTFRCYGYY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FFIPSVTQQHAGQYRCYCYSSAGWSQPSDTLELVVTGTYEYNEPRLSLLPSPVVRPGGNM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SGNLQKFTIKAEFGSVITSKRAMTIKCQGNLDAEVYFLHNEKSQKTQSTQTLQQFGNKGR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SGPLPKPSLQALPSSLVPLEKFVTLRCQGPPGVDLYRLEKLSSSRYQDQAVL------
                                                                                                                                                                                                                                                                                                                                                                                     NPPIPTENCOHTMENLIRMGMANTVFIVLSILATEAWRSHRQ
                                                                                                                                                                                                                                                                                                                                                                                                                   DSPAGPARCYYTKGNLVRICLGAVILIILAGFLAEDWHSRRK
                                                                                                                                                                                                                                                                                                                                                                                                                                                    FSMSAVTSHLSGTYRCYGAQDSSFYLLSSASAPVELTVS-----GTIESSSWPPKRP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LPLTPSLSVQPNHTVHSGETVSLLCWSMDSVDTFILSKEGSAQQPLRLKSKSHDQQSQAE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      KNTPQLWSVPSNLQQILISGLSKKPSLLTHQGH1LDPGMTLTLQCFSDMNYDRFALHKNG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TLOCOTRYGEDOFALYKEGD-----PAPYKNPERWYRASFPIITVTAAHSGTYRCYSES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         -FIPAMKRSLAGRYRCSYQNGSLWSLESDQLELVATGVFA - KESLSAQPGPAVSSGGDV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20.0%;
22.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       00 y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 356.5; DB 2;
Fred. No. 2.5e-18;
0; Mismatches 111;
                                                                                                                                                                                                                                                                    06-Jun-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      - EATAELTVS STNKVSTTETSRSITTSPKES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PIDN:AAB36927.1; PID:g2791692
cell-surface molecule against
                                                                                                                                                                                                                                                                    #Text
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels 195;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          F91,
                                                                                                                                                                                                                                                                  change
                                                                                                                                                                                                                                                                                                                                                                                     673
                                                                                                                                                                                                                                                                                                                                                                                                                    296
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         extracellular Ig-like
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ξIJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            φ
Φ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             novel
                                                                                                                                                                                                                                                                    05-Nov-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Saps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            murine regulatory
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        À
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        519
                                                                                                                                                                                                                                                                                                                                                                                                                                                     631
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        459
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        399
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .84
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ر
ريا
د
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      254
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       579
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       222
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cell
                                                                   900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         #status
                                                                   HLA-B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            activa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         'n
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         G
U
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A; Map position:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          문
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ş
                 Ş
                                                    ů
                                                                               Ş
                                                                                                                  å
                                                                                                                                                 Ş
                                                                                                                                                                                                                                                   A;Introns: 12/3; 24/2; 1
C;Keywords: alternative
                                                                                                                                                                                                                                                                  A;Gene: gp498
A;Introns: 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   \delta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ñ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        片
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ႘
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ş
                                                                                                                                                                                                                                                                                                     C;Genetics
                                                                                                                                                                                                                                                                                                                                                                    A;Status: preliminary
                                                                                                                                                                                                                                                                                                                                                                                  A; Accession: B53434
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;Accession:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                      Matches
                                                                                                                                                                                                Query Match
Best Local S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local Similarity
nes 112; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ა
84
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        338
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1.4
(B)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     323
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         263
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ω,
7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2
                                                    66
                                                                                   ŝ
                                                                                                                    σ
                                                                                                                                                     a
                                                                                                                                                                                      88
                                                                                                                                                                                                    Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       B53434
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NSEDSDEOD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GGQDGGRQD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               19
```

```
A;Residues: 1-444 <RES>
A;Cross-references: GB:L41269; NID:g780307; PIDN:AAA69873.1; PID:g780308
C;Genetics:
A;Gene: NKA7-3
A;Gene: NKA7-3
R;Castells, M.C.; Wu, X.; Arm, J.P.; Austen, K.F.; Katz, H.R.
J. Biol. Chem. 269, 8393-8401, 1994
A;Title: Cloning of the gp49B gene of the immunoglobulin superfamily
A;Reference number: A53434; MUID:94179223; PMID:8132564
                                                                                                                       cell surface glycoprotein gp498 form 2 precursor - mouse C;Species: Mus musculus (house mouse) C;Date: 19-May-1995 #text_
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 MSPSFTALFCLGLCLGRVP-----AQSGFL------PKPSLQALPSSLVFLEKPVT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  -SYQNGSLWSLPSDQLELVATGVFAKPSLSAQPGPAVSSGGDVTLQCQTRYGFDQFALYK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LCCWSDIMFEHFFLHKEGISKDPSRLVGCIHDGVSKANPSIGPMMLALAGTYRCYGSVTH
                                                                                                                                                                                                                                                                                                                                                                                                   HLHI---LIGTSVVIILFILLLFFLLHLWCSNKK----NAAV-----MDQEPAGNRTA
                                                                                                                                                                                                                                                                                                                                                                                                                                                 QYYTKGNLVRICLGAVILIILAGFLAEDWHSRRKRLRHRGRAVQRPLPPLPPLPQTRKSH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EGDPAPYKNP----ERWYRASFPIITVTNAHSGTYRCYSFSSRDPYLWSAPSDPLELVV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TPYQ----LSAPSOPLDIVVTGPYEKPSLSAQPGPKVQAGESVTLSCSSRSSYDMYHLSR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LRCQGPPGVDLYRLEKLSSSRYQDQAV-----LFIPAMKRSLAGRYRC-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MSPVTTAHAGNYTCRGSHPHSPTGWSAPSNPVVIMVTGNHRKPSLLAHPGPLVKSGERVI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TGTSVTPSRIPTEPPSSVAEFSEATAELTVSFTNKVFTTETSRSITTSPKESDSPAGPAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EGGAHERRLPAVRKVMRTFQADFPL--GPÄTHGGTYRCFGSFRHSPYEWSDPSDPLLVSV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                     392
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 30.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            34:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 335; DB
Pred. No. 5.6e
34; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB .
5.6e-17,
5 127;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
                                                                                                                               _change 05-Nov-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPSPTEPSSKSGNPR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               96;
                                 and.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                 demonstrati
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                141
                                                                                                                                                                                                                                                                                                                                                                                                      رى
30 ئ
                                                                                                                                                                                                                                                                                                                                                                                                                                                    322
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 N
U
7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             88
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       رين
رين
1-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12
```

A;Molecule type: DNA; mRNA A;Residues: 1-296 <CAS> A;Cross-references: GB:U05265; 116 LSAQPGPAVSSGGDVTLQCQTRYGFDQFALYKEG-VNPWDTQVPLETRNKÅKFNIPSKTTSYAGIYKCYYESAAGFSEHSDAKELVMTGAYENPS SRYOD-----CAVLFIPAMKRSLAGRYRCSYCNGSLWSIPSOCLELVATGVFAKPS TVLLYLGLILBPRCAVQAGHLPKPIIWAEPGSVIAAYTSVITWCQGSWEAQYYHLYKEKS TALFCLGLCL-GRVPAQSGPLPKPSLQALPSSLVPLEKPVTLRCQGPPGVDLYRLEKLSS 24/2; 119/2; 220/1; 232/1; 249/3; rnative splicing; glycoprotein Conservative 18.5%; 36.1%; NID: g475446; PIDN: AAA17798.1; Score 330; DB 2; Pred. No. 7.9e-17; 3; Mismatches 103 Length ---DFAPYKNPERWYRASFPI Indels P10:g475448; 22; Gaps GB: UC5266 167 125 115 40 σ̈́

lanier

```
KIR (cl-2) NK receptor precursor - human
N;Alternate names: killer cell inhibitory receptor
C;Species: Homo sapiens (man)
C;Cate: 21-Dec-1996 #sequence revision 06-Jun-1997 #text_change 05-Nov-1999
C;Accession: G01924; G01945
R;Wagtmann, N.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A;Accession: A56247
A;Starus: preliminary; translated
A;Molecule type: mRNA
A;Rosidues: 1-348 <RES>
submitted to the EMBL Data Library, June 1995
A;Reference number: G08780
A;Accession: G01924
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molocule type: mRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                            밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ö,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              R;Colonna, M.; Samaridis, J.
Science 268, 405-408, 1995
A;Title: Cloning of immunoglobulin-superfamily members associated with HLA-C and A;Reference number: A58247; MUID:95232526; PMID:7716543
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8
                                                                                                                                                                                                                                                                                                                           Ş
                                                                                                                                                                                                                                                                                                                                                                   2
                                                                                                                                                                                                                                                                                                                                                                                                  Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A; Cross-references:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 natural killer cell-associated protein
                                                                                                                                                                                                                                                                                           ႘
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         C:Accession: A56247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local S
Matches 101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gene: GDB:NKAT1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ;Species: Homo sapions (man)
;Date: 26-Cul-1996 #sequence_revision
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Cross-references: Map position: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ς.
υς
υ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      227
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         125
                                                                                                                                                                                                                                                                                                                             274
                                                                                                                                                                                                                                                                                                                                                                     232
                                                                                                                                                                                                                                                                                                                                                                                                                                              . 74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       114
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    101;
                                                                                                                                                                                                                                                                                             247 LIGTSVVIILFILLFFLLHRWCSNKK 272
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           φ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ()
9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DAVTPNHNGTERCYGYERNEPQVWSXPSNSLDHXLSETX-DQSSTPTEDDASVKYTQSEN 242
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LEKLSSSRYCD-----SYQNGSLWST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WSBSELATECTETCT - GEARAGSEPTEMESTOUT BESTABLEMEALTHECCEPSEACHT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TAEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TTVTAAHSGTYRCYSESSROPYLWSAPSDELELVVTGTSVTPSRLPTEPPSSVAEF-SEA 226
                                                                                                                                                                                                                                                                                                                 CLG---AVILITAGFLAEDWHSRRK 296
                                                                                                                                                                                                                                                                                                                                                                     TEPSSK--
                                                                                                                                                                                                                                                                                                                                                                                                                                              GPKVNGTFQADFPL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PSDQLBIVATGVEAKPSLSAQPSPAVSSGGDVTIQCQTRVGFDQFALYKEGDPAPYKNP- 157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LHR--- EGMENDTLELIGEHEDGVSKANFSISRMTQDIAGTYRCYGSVTHSEYQ---- VSA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MSLLVVSMACVGFFULQGAWP-HEGVHRKPSLLAHPGPUVKSEETVILQCWSDVMFEHFL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LSVYPSSMVTSGVSISFSCSSSIVFGRFILIQEGKEGLSWTLDSQEQANQPSY--AFFVL
                                                                                                                                                                                                                                                                                                                                                                                                        TEPPSSVAEFSEATAELTVSFTNKVFTTETSRSITTSPKESDSPAGPARQYYTKGKUVRI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ----ERWYRASEPIITVTAAHSGTYRCYSESSRDPYLNSAPSDPLELVVTGTSVTPSRLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PSDPLDIVIIGLYEKPSLSACPGPTVLAGENVTLSCSSRSKDMYHLSREGEAHERRLPA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  246
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        230
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GDB:698165
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GB:L41267; NID:g780303;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     18.43;
                                                                                                                                                                                                                                                                                                                                                                                                                                              --GPATHGGTYROFGSFHDSPYEWSKSSDPLLVSVTGNPSNSWPSP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    زي
الأه
--
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 328: CB 2;
Pred. No. 1.3e-16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              from GB/EMBL/DDEJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             26-Jul-1996 #text_change 05-Nov-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       - human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PIDN: AAA69868.1;
                                                                                                                                                                                                                                                                                                                                                                     TGMFRH ---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    107;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 348;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PID:9780304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (D)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    213
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Q)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           183
                                                                                                                                                                                                                                                                                                                                                                     246
                                                                                                                                                                                                                                                                                                                                                                                                          273
                                                                                                                                                                                                                                                                                                                                                                                                                                              231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HUA-B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A,Cross-references: EMBL:J30273; NID:g1004358; PIDN:AAB52521.1; PID:g1004359
R.D'Andrea, A.; Chang, C.; Franz-Bacon, K.; McClanahan, T.; Phillips, C.H.; Submitted to the EMBL Data Library, Culy 1995
A.Reference number: G08908
A;Accession: G01945
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A;Status: preliminary; translated from GE/EMBL/DDBJ
A;Molecule type: mRNA
A;Residues: 1-444 <DXA>
                                                                                                                                                                                                                                                                                       Science 268, 405-408, 1995
A;Title: Cloning of immunoglobulin-superfamily members associated A;Reference number: A56247; MUID:95232526; PMID:7716543
A;Accession: E61725
A;Status: preliminary; translated from GB/EMBL/DDBJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A;Gene: NK51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Cb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A;Cross-references: EMBL:U31416; NID:g973405; PIDN:AAC23725.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A; Residues: 1-444 < WAG >
   Ş
                                         g
                                                                           Ş
                                                                                                                                                                                                                                                    A; McLecule type: mRNA
A; Residues: 1-341 < RES>
                                                                                                                                                                                                                                                                                                                                                                                                                          C)Species: Homo sapiens (man)
C)Date: 29-May-1998 #sequence_revision
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ß.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           片
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     片
                                                                                                                                                                                              A;Gene:
                                                                                                                                                                                                                                    A;Cross-references: GB:L41268; NID:g780305; PIDN:AAA69869.1;
                                                                                                                                                                                                                                                                                                                                                                                      R;Colonna,
                                                                                                                                                                                                                                                                                                                                                                                                          C;Accession: 161725
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  natural killer associated transcript 2 -
                                                                                                                     Best Lo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
Matches 111; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Genetics
                                                                                                                                      Query Match
Best Local
                                                                                                                                                                                                                  Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3
8
8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  316
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     323
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4.8
                                                                                                                                                                                                                                                                                                                                                                                      M.; Samaridis,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               384 NSEDSDEÇD 392
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            263
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        82 MSPVTTAHAGNYTÖRGSHPHSPTGWSAPSNPVVIXVTGNHRKPSLLAHPGPLVKSGERVI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    46 LRCQGPPGVDLYRLEKLSSSRYQDQAV-----
     59 LEKLSSSRYQD---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 MSPSETALECLGLCLGRVP-----AOSGPL-----PKESLCALESSLVPLEKEVT
                                                                                                                     Similarity 30.3
99; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TGTSVTPSRLPTEPPSSVAEFSEATAELTVSFTNKVFTTETSRSITTSPKESDSPAGPAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         EGDPAPYKNP----ERWYRASFPIITVTAAHSGTYRCYSFSSRDPYLWSAPSDPLELVV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TPYQ----LSAPSDPLDIVVTGPYEKPSLSAQPGEXVQAGESVTLSCSSRSSYDWYHLSR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      -SYQNGSLWSJPSJQLELVATGVFAKPSJSAQPGPAVSSGGDVTJQCQTRYGFDQFALYK 147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GGQDGGRQD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HLHI---LIGTSVVIILFILLLFFLLHLWCSNKK-----NAAV-----MDQEPAGNRTA 383
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CYYTKGNLVRICLGAVILIILAGFLAEDWHSRRKRLRHRGRAVQRPLPPLPPLPQTRKSH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LOCWSDIMFEHFFLHKEGISKDESRLVGQIHDGVSKANFSIGEMMLALAGTYRCYGSVTH
                                         MSLMVVSMVCVGFF11QGAWP-HEGVHRKPS11AHPGP1VKSEETVI1QCWSDVRFQHF1
                                                                               MSPSETALFCLGLCL--GRVPAQSGPLPKPSLQALPSSLVPLEKPVTLRCQGPEGVDLYR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           BRGAHERRLPAVRKVNRTFCADFFL--GPATHGGTYRCFGSFRHSFYEWSDPSDPLLVSV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     331
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   18.3%;
30.1%;
                                                                                                                                      30.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 34; Mismatches
                                                                                                                       36;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score
Pred.
                                                                                                                     Score 323.5; DB 2;
Pred. No. 2.8e-16;
6; Mismatches 105;
       -CAVLFIPAMKRSLAGRYRC-----SYQNGSLWSL
                                                                                                                                                                                                                                                                                                                                                                                                                            29-May-1998 #text_change 05-Mov-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   327; DB 2;
No. 2.1e-16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    --LFIPAMKRSLAGRYRC-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                          Length
                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      -WPSPTEPSSKSGNPR
                                                                                                                                                                                                                                      PID:9780306
                                                                                                                                                          341;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PID:g973406
                                                                                                                         . 68
                                                                                                                                                                                                                                                                                                                                                         ¥i ti
                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                       HIA-C
```

322

H.

ري ري دا

98 6.5 cn GD 315 202 257 140 45

12

20:

ထ

```
R/Mazzarolla, R.) Pengue, G.; Jones, J.; Jones, C.; Schlossingor, D.

Genomics 48, 157-162, 1998
A;Title: Cloning and expression of an immunoglobulin superfamily gene (TGSFI) is
A;Reference number: Z16665; MJD:98199514; PNTD:9521868
A;Accession: T09402
A;Accession: 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             :cmmunoglobulin-like protein IGSF1 - buman
C;Species: Homo sapiens (man)
C;Date: li-Un-1999 #sequence_revision li-Jun-1999 #text_cbange 21-Jul-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8.8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ş
   RESULT 15
A53434 *
Coell surface glycoprotein gp493 form 1 precursor -
Coell surface glycoprotein gp493 form 1 precursor -
Cospecies: *Aus musculus (house mouse)
Copate: 19-May-1995 #sequence_revision 19-May-1995
                                                                                                                                                                                                                                                                                      8
                                                                                                                                                                                                                                                                                                                                                      S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Я
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Å
                                                                                                                                                                                                                             Ŗ.
                                                                                                                                                                                                                                                                                                                                                                                                               Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              å
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Я
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           á
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
Matches 105; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Accession: T09402
                                                                                                                                                                                                                                                                                                                                                         1199
                                                                                                                                                                                                                             1259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1139
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1080 GELPDSTFVLLKEGAQEPJEQQRPS-GYRÄDFWMPAVRGEDSGIYSCVYYILDSTPFAASN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 194
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             230
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         . 74
                                                                                                                                                                                                                                                                                                                                                                                                                     232
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         960
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 272
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         212
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      :52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1:4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    245 HVLIGTSVVIILFILLEFILLHRWCONKK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      79
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  26 PKPSIOALPSSIVPLEKPVILRCOOP---PGVDLYRLEKISSSRY----QDQAVIFIPAM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GPKVNGT---FOADFPL--GPATHGGTYRCFGSFRDSPYEWSNSSDPLLVSVTGNPSMSWP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APYKKIPERWYRASEPIITVTAAHSKTYRCYSESSRDPYLWSAPSDPLELVVTGTSVTPSR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  HSDSLEIWVTDKPPKPSLSAWESTMFKLGKDITLQCRGPLPGVEFVLEHDGEEAPQQFSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RICLGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SPTEPSSE-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LPTEPPSSVAEFSEATAELTVSFTNKVFTTETSRSITTSPKESDSPAGPARQYYIKGNIV
                                                                                                                                                                                                                             IVVVVVALGVVLAIEW-KKWPRIRTRG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TRYGEDOFALYKEG--DPAEYKNPERWYRASEPIITVTAAHSGTYRCYSFSSRDPYLWSA 193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRPWLEAEPSSVVPMGQNVTLWCRGEVHGVGYILHKEGBATSXQLWGSTSNDGAFFITNI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PSDPLDIVITGLYEKPSLSACPGPTVLAGESVTLSCSSRSSYDMYHLSREGEAHERRFSA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PSDQLELVATGVFAKPSLSACPGPAVSSGGDVTLQCCTRYGFDQFALYKEGD-----P 151
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LHR--EGKFKDTLHLIGEHHDGVSKANFSIGPMKQDLAGTYRCYGSVTHSPYQ----LSA 113
                                                                                                                                                                                                                                                                                         GAVILIILAGELAEDWHSRRKRLRHRG
                                                                                                                                                                                                                                                                                                                                                      DGDFVINNVEGKGIGNYSCSYRLQAYPDIWSEPSDPLELVGAAGPVAQECTVGNIVRSSL
                                                                                                                                                                                                                                                                                                                                                                                                                  PSDPLELVVTGTSVTPS------RLPTEPPSSVAEF-----SEATAELT-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SGTSMGRYSCCYHPDWTSSIKIQPSNTLELLVTGLLPKPSLLAQPGPMVAPGENMTLQCQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      KRSIAGRYROSYQ----NGSIWSIPSDQLEIVATGVFAKPSISAÇPGFAVSSGGDVTIQCQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
#seguence_revision
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       -VILIILAGFLAEDWHSRRK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               18.0%; Score 322; DB 32.1%; Pred. No. 1.8e ative 37; Mismatches
19-May-1995
                                                                                                                                                                                                                         1254
                                                                                                                                                                                                                                                                                         302
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    273
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 296
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 2; 1
1.8e-15;
nes 133;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                -TGNPRH--
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      mouse
#text_change
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     52:
      05-Nov-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (IGSFI) in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      135
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1019
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1079
                                                                                                                                                                                                                                                                                                                                                            1258
                                                                                                                                                                                                                                                                                                                                                                                                                  275
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ~1
(3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ø
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        . Xg25
```

```
C;Accession: A53434
R;Castells, M.C.; Wu, X.; Arm, J.P.; Austen, K.F.; Katz, H.R.
J. Biol. Chem. 269, 8393-8401, 1994
A;Title: Cloring of the gp49B gene of the immunoglobulin superfamily and demonstrative A;Reference number: A53434; MJID:94179223; PMID:8132564
A;Accession: A53434
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A:Gene: gp49B
A:Introns: 12/3; 24/2; 119/2; 220/1; 232/1; 271/1; 288/3;
C:Keywords: alternative splicing; glycoprotein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A;Status: preliminary A;Molecule type: DNA; mA;Molecule type: DNA; mA;Residues: 1-335 <CAS>
                                                                                                                                                                                                                                                                                    5
                                                                                                                                                                                                                                                                                                                                                       먉
                                                                                                                                                                                                                                                                                                                                                                                        2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A; Cross-references:
                                                                                                     Ş
                                                                                                                                                                     Ş
                                                                                                                                                                                                            99
                                                                                                                                                                                                                                             Ş
                                                                                                                                                                                                                                                                                                                   Ş
Search completed: October Job time: 45 secs
                                                                                                                                          J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local !
                                                                                                                                                                                                                9
13
14
                                                                                                                                            .84
                                                                                                                                                                           997
                                                                                                                                                                                                                                                 116 LSAQPGPAVSSGGDVTLCCQTRYGFDQFALYKEG-----
                                                                       241
                                                                                                                                                                                                                                                                                    \omega
                                                                                                                                                                                                                                                                                                                         យ
យ
                                                                                                                                                                                                                                                                                                                                                        ٥١
                                                                                                                                                                                                                                                                                                                                                                                           σı
                                                                                                                                                                                                                                                                                                                                                                                                                             1 Similarity 34.0
84; Conservative
                                                                                                         AELTVSF
                                                                                                                                                                                                                LSVYPSSNVTSGVSISESCSSSIVFGRFILIQEGKHGLSWTLDSQHQANQPSY--ATFVL
                                                                                                                                                                                                                                                                                    VNPWDTQVPLETRNKAKENIPSMTTSYAGIYKCYYESAAGESEHSDAMELVMTGAYENPS
                                                                                                                                                                                                                                                                                                                                                                                      TALECTIGUEL-GRVPAQSGPUPKPSLQALPSSLVPLEKPVTLRCQGPPGVDLYRLEKLSS
                                                                       IGVLVSF
                                                                                                                                          DAVTPNHNGTFRCYGYFRNEPQVWSKPSNSLDLMISETK-DGSSTPTE--DGLETYCKIL
                                                                                                                                                                           ITYTAAHSGTYRCYSESSRDEYLWSAESDELELVVIGTSVIDERLETEPPSSVAEFSEAT
                                                                                                                                                                                                                                                                                                                         SRYOD-----
                                                                                                                                                                                                                                                                                                                                                        TVLLYLGLILEPRTAVQAGHLPKPIIWAEPGSVIAAYTSVITWCQGSWEAQYYHLYKEKS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GB: U05265; NID: 9475446;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          mRNA
                                                                       247
                                                                                                                                                                                                                                                                                                                                                                                                                                          147.8%;
                  23,
                                                                                                                                                                                                                                                                                                              -CAVLFIPAMKRSLAGRYRCSYQNGSLWSLFSDQLELVATGVFAKPS
                    2003,
                                                                                                                                                                                                                                                                                                                                                                                                                              36;
                                                                                                                                                                                                                                                                                                                                                                                                                             Score 317.5; DB 2;
Pred. No. 7.5e-16;
6; Mismatches 104;
                      09:43:01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PIDN:AAA17797.1; PID:g475447;
                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                   DPAFYKNPERWYRASFPI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 12
13
15
                                                                                                                                                                                                                                                                                                                                                                                                                                23;
                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GB: U05264
                                                                                                                                               240
                                                                                                                                                                                                                                                     1.63
                                                                                                                                                                                                                                                                                        125
                                                                                                                                                                                                                                                                                                                         5.1.
                                                                                                                                                                                                                                                                                                                                                            65
                                                                                                                                                                                                                  . . .
```

```
Title:
Perfect score:
Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Result.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Minimum DB seq length: 0
Maximum DB seq length: 2000000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Database
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OM protein ·
             Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
             342.55
342.55
342.55
342.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32.55
32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query
Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-503-387-3
1786
1 MSESPTALFCLGLCUGRVEA.....KSHGGQDGGRQDVHSRGUCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            October 23, 2003, 09:38:24; Search time 23 Seconds (without alignments) 693.133 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       127863 segs, 47026705 residues
             GenCorp version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
             E
      K3SI_HUMAN
K2AL_HUMAN
K3LL_HUMAN
K2AL_HUMAN
CALAC
CHICK
FCGA_HUMAN
SN_HOMAN
SN_HOMAN
SN_HOMAN
SN_HOMAN
SN_HOMAN
SN_HOMAN
FCGA_CAUPO
FCG3_MOUSE
FCG4_HUMAN
FCC4_HUMAN

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SUMMARIES
224071 homo sapien

224943 homo sapien

299706 homo sapien

299706 homo sapien

293627 homo sapien

243627 homo sapien

243628 homo sapien

244953 homo sapien

244953 homo sapien

244950 mus musculu

214950 mus musculu

214957 didelphis m

22957 didelphis m

22957 didelphis m

235331 gailus gall

24328 homo sapien

235331 gailus gall

260513 cavia porce

260513 acuvia porce

260513 rattus norv

299533 mus musculu

2606261 sacrossapien

2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       339
```

44 ()	4	4.3	42	}-1 -1>	40	39	ω æ	ر <sub>م)</sub> [ - ·	36	(r)	ريا مثر
99	66	99.5	14 00 00	100.5	1. C.	101	101	101.5	102.5	103.5	104
о	5. 5	5.6	5.6	5.6	ت. آ-	5.7	5.7	5.7	5.7	5.8	5. B
739	404	1887	739	1051	3149	404	296	727	912	770	1367
L	٠.	٠.٠	٠.	۴-	٦	⊢	ᆫ	<b>—</b>	<u>-</u> ــر	_	۲
VCA1_HUMAN	RAGE_HUMAN	RPBI_DROME	VCA1_RAT	PTK7_CHICK	TEGU_EBV	FCG1_MOUSE	FCG2_BOVIN	PEC1_MOUSE	ICAS_RABIT	CAB2_HUMAN	AMYH_YEAST
P19320 homo sapien	Q15109 homo sapien	PC4052 drosophila	P29534 rattus norv	Q91048 gallus gall	P03186 epstein-bar	P26151 mus musculu	Q28110 bos taurus	Q08481 mus musculu	Q29730 oryctolagus	P98082 homo sapien	P08640 saccharomyc

## ALIGNMENTS

RESULT FCAR_H	JT 1 HUMAN
	CAR_HUMAN STANDARD
100	R-1992 (Rel. 21, Created)
22	AR-1992 (Rel. 21, Last sequence update) SP-2003 (Rel. 42, Last annotation update
E	noglobulin alpha Fc receptor
요문	CD89.
	ns (Human).
	ryota; Metazoa Mia: Eutheria
	)=9606;
	Ŕ
	079769; PubMed=2258698;
	Cl C.R., March C.J., Schoemoorn M.A., C
	ים כיכנות of a numan FC receptor for LgA." יל יקסייה היה בייה קסיון 1990)
	ú
	TO THE TRACTOR!
	o.M., Morton H.C., Capel P.J.A., van de Winkel J.G.J
	of the gene for the human myeloid IgA Fo recepto
	155:1203-1209:11
	ROM N.A. (ISOFORMS A.2 AND A
	reolar macrophlage, and monocyces 247667; PubMed=8666819;
	Sibille Y., Lehuen A., Monteiro R.C.;
	ation of FC alpha receptor (CD89)
	d alveclar macrophages.";
	156:4442-4448(1996).
	MOTTOR U C Caldenhoven W Bracke M
	rere T.M. Tammers J.W.J. Koenderman J. Groot R.D.
	to the EMBL/GenBank/DDBC databases.
	J
	MEDITNEE96433090; FubMed=8836118;
	Y M.A., Woof C.M.;
	"Alternative splicing of the human IgA Fc receptor CD89 in
	neutrophils and eosinophils.")
	E10Chem. J. 318: //1-///(1996).
נג טי	EQUENCE FROM N.A. (ISOFORM J02).
X A	cyabe S., Kuwano Y., Takeda K., Uchiyama M., Abo T.;
3 +3	Alternatively spliced forms of monoc
אָנאָ ניי	with 19A hephropathy."; Submitted (SEP-1996) to the EMBL/GenBank/DDBJ databases.
R.	7]
נגי טי	SUBUNITS.

```
PIX; JHC332; UDJULE

R HSSP; P43626; INKR.

R HSSP; P43626; INKR.

JR Genew; HGNC:1609; FCAR.

MIX; 147045; -..

DR GO; GO:0005887; C:integral to plasma membrane; TAS.

DR GO; GO:000587; C:integral to plasma membrane; TAS.

DR InterPro; IPR003599; Ig.

DR InterPro; IPR003599; Ig.

DR InterPro; IPR003599; Ig.

DR GO:000697; Ig. 2.

Pfam; PFGC047; Ig; 2.

DR SMART; SM00409; IG; 2.

DR RACSITE; PSG0835; IG_LIKE; FALSE NEG.

Receptor; Glycoprotein; Transrembrane; IgA-binding KW Receptor; Glycoprotein; Transrembrane; IgA-binding KW RECEPTOR; Glycoprotein; Transrembrane; Ligh-binding KW Tymunoglobulin domain; Repeat; Signal; Alternative SIGNAL

THE TOTAL 1 21 POTENTIAL.

CHAIN 22 287 EXTRACELULAR (POTENTIAL)

ETT CHAIN 22 287 EXTRACELULAR (POTENTIAL)
                                                                                                     \mathbb{R}^{n}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EMBL; X54150; CAAJ8089.1; --
EMBL; X897768; CAAG1039.1; J.
EMBL; X897769; CAAG1039.1; J.
EMBL; X897769; CAAG1039.1; J.
EMBL; X897769; CAAG1039.1; J.
EMBL; X897765; CAAG1039.1; J.
EMBL; U43774; AAC50639.1; --
EMBL; U43774; AAC50639.1; --
EMBL; U456236; AAB00566.1; --
EMBL; U56237; AAB00567.1; --
EMBL; U562
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pfefferkorn L.C., yeaman G.R.;

"Association of IgA-Fc receptors (Fc alpha R) with Fc epsilon |

gamma 2 subunits in U937 cells. Aggregation induces the tyrosi phosphorylation of gamma 2.";

J. Immunol. 153:3228-3236 (1994);

J. Immunol. 153:3228-3236 (1994);

J. Immunol. 153:3228-3236 (1994);

J. Immunol. 153:3228-3236 (1994);

J. Immunol. 153:3228-326 (1994);

J. Immunol. 153:3228-326 (1994);

J. Immunol. 153:3228-326 (1994);

J. SUBCELLUCKARL FUNCTIONS INCLUDING CYTOKINE PRODUCTION |

J. SUBCELLUCKAR LOCATION: TYPE I MEMBRANE PROTEIN (FORM A) AND |

J. SUBCELLUCKAR LOCATION: TYPE I MEMBRANE PROTEIN (FORM A) AND |
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          entities requires a license agreement (cor send an email to license@isb-sib.ch)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBJ cutstation the Buropean Bioinformatics Institute. There are no restrictions on the use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INDID-PAGGI-6; Sequence-VSP_GD2633, VSP_GD2635;
TISSUE SPECIFICATY: DIFFERENTIALLY EXPRESSED BETWEEN BLOOD;
MUCOSAL MYELOID CELLS: MONOCYTES EXPRESS ISSUEMS A:1, A:2;
MULLE ALVECLAR MACROPHAGES EXPRESS A:1 AND A:2 THANSCRIPTS;
HOWEVER THEY EXPRESS ONLY ONE ISOFORM AT THEIR SURFACES.
SIMILARITY: SELONGS TO THE IMMUNOCICBULIN SUPERFAMILY,
SIMILARITY: CONTAINS: "Immunoglobull-n-like C2-type domains.
DATABASE: NAME=RCW; NOTE=CD guide CD89 entry;
WMM="butp://www.nobi.nlm.nih.gov/prow/cd/dd89.htm".
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ALTERNATIVE PRODUCTS:
Event-Alternative splicing; Named isoforms=6;
Commonu=Additional isoforms seem to exist;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           IsoId=P24071-2; Sequence=VSP_002635.
Name=A.3; Synonyms=RLA2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Isoid=P24071-4; Sequence=VSP_002636;
Name=B delta-S2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (FORM B)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              me=A.3; Synonyms=RLA2
IsoId=P24071-3; Seque:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            IsoId-P24071.5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        IsoId=P24071-1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence=VSP_002634,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence: VSP_002632,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence=Displayed,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       JOINED
JOINED
JOINED
JOINED
                                                                                                                              IMMUNOGLOBULIN ALPHA FC RECEPTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (See http://www.ish-sib
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        VSP_002636;
                                                                                                                                                                                                protein;
splicing.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      and s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RECEPTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 psilon RI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AND SCLUBLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ch/announce,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A 45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ٠.
سا
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              당
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     $
                                                                                                 SAPERE BOSSON SERVICES OF SAME BOSSON SERVICES OF SAME BOSSON SAME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DOMAIN
DOMAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              VARSPLIC
                                                                                                 SEQUENCE
```

```
RESULT 2

KISI_HUMAN STANDARD; PRT; 387 AA.

ID KSI_HUMAN STANDARD; PRT; 387 AA.

AC Q14943;
DT 01.NCV-1997 (Rel. 35, Created)
DT 01.NCV-1997 (Rel. 35, Last sequence update)
DT 15-SEP-2003 (Rel. 42, Last annotation update)
EX Killer cell immunoglobulin-like receptor 3DS1 pr
ENK Cell receptor) (Natural Killer associated tra-
GN KIRJDS1 OR NKATIO.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Sin
Matches 100;
Homo sapiens (Human)
Eukaryota; Metazoa; (
Mammalia; Eutheria; I
NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DISULFID
DISULFID
CARBOHYD
CARBOHYD
CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CARBOHYD
CARBOHYD
CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         VARSELIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               VARSPLIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  VARSPLIC
                                                                                                                                                                                                                                        217
                                                                                                                                                                                                                                                                                    181
                                                                                                                                                                                                                                                                                                            158
                                                                                                                                                                                                                                                                                                                                   121
                                                                                                                                                                                                                                                                                                                                                         901
                                                                                                                                                                                                                                                                                                                                                                               61 MIKNSTYREIGRRUKEWNETDPEFVIDHMDANKAGRYQCCYRIGHYRERYSDTLELVVT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Similarity
                                                                                                                                                                                            VENWHSHTALNKEASADVAEP
                                                                                                                                                                                                                                                                                               ITVTAAHSGTYRCYSFSSRDPYLWSAPSDPLELVYTGTSVTPSRLPTSPESSVAEFSEAT
                                                                                                                                                                                                                                                                                                                                                                                                  EKLSSSRYQD------QAVLFIFAMKRSLAGBYRCSYQNGSLWSLPSDQLELVAT
                                                                                                                                                                                                                                                                                                                                                                                                                                            MSPSPTALFCLGLCLG-RVPAQSGPLPKPSLQALPSSLVPLEKPVTURCQGPPGVDLYRL
                                                                                                                                                                                                                 AEDWHSRRKRLRHRGRAVQRP
                                                                                                                                                                                                                                                                                    GPVDLNVSGIÝRCYGWYNRSPYLWSFPSNALELVVT
                                                                                                                                                                                                                                                                                                                                   GLYGKPELSADRGLVLMEGENISLTCSSAHIPFDRESLAKEGELSLEQHQSGEHPANESL
                                                                                                                                                                                                                                                                                                                                                        GVEAKPSLSAQPGPAVSSGGDVTLQCOTRY-GFCQFALYKEGDPAPYKNPERWYRASFPI
                                                                                                                                                                                                                                                                                                                                                                                                                              MDPKQTTLLCLVLCLGQRIQAQEGDFPMPFISAKSSEVIPLDGSVKIQCQATREAYLTQL
                                                                                                                                                                                                                                                             AELTVSFTNKVFTTETSRSITTSPKESDSPAGPARQYYTKGNLVRICUGAVILIILAGFL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           287
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         195
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              121
                                       (Human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       246
2287
1000
1000
193
141
1777
1986
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              216
                 Chordata;
Primates;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           32265 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      21.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           BY SIMILARITY.
BY SIMILARITY.
N-LINKED (GLCNAC.
MISSING (In isocorm E/FIIdavSp_C02632.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             POTENTIAL.
CYTOPLASMIC (FOT:
IG-LIKE C2-TYPE
IG-LIKE C2-TYPE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 392; DE 1;
Pred. No. 4.7e-22;
3; Mismatches 110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Missing (T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        rsoform B-deita-S2).
/FTId=VSP_002636.
A2CCA68467CD45F7 CI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Wissing (In isofo /FTId=VSP_002635.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EASADVAEPSWSQQMCQPGLTFARTPSVCK
FCVWVGCPGPCHRAGI (in isoform B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DSIHQDYTTQNLIRMAVAGLVLVALLAILVENWESHTALNK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /FTId=VSP_002633
Missing (in isof
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      isoform U02
                 Craniata; V
Catarrhini;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   -> GRYISEHFWCRSLGCNPVNDASAQRPG
                                                                                                                                                                                            (A)
                                                                                                                                                                                                                                         DS----IHQDYTTQNLIRMAVAGUVLVALLAIL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    002634
                 Vertebrata; Euteleostomi;
i; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         isoform
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 isoform
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (POTENTIAL).
                                                             transcript
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Þ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ₩:.:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (POTENTIAL)
(POTENTIAL)
(POTENTIAL)
(POTENTIAL)
(POTENTIAL)
(POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   287;
                                                              (MHC class I
10) (NKAT-10)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         isoform
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (D)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3 and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GRYRPVQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Caps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           J02)
                                                                                                                                                                                                                                                                                                            227
                                                                                                                                                                                                                                                                                                                                                           653
                                                                                                                                                                                                                                                                                                                                                                                 120
                                                                                                                                                                                                                                                                                                                                                                                                         108
                                                                                                                                                                                                                                                                                                                                                                                                                               60
                                                                                                                                                                                                                                                               287
                                                                                                                                                                                                                                                                                    216
                                                                                                                                                                                                                                                                                                                                   (n)
```

```
5
                                                                             5
                                                                                                                              ü
                                                                                                                                                                                                                                                                                                          8
                                                                                                                                                                                                                Query Match
Best Local Sim
Matches 101;
                                                                                                                                                                                                                                                                                                                                                                                                                                   DISTREED DIS
                                                                                                                                                                                                                                                                                                                                                                     CARBOHYD
CARBOHYD
CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DOMAIN
DOMAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DOMAIN
TRANSMEM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MIM; 604957; ...
GO; GO:0005887; C:integral to plasma membrane; NAS.
GO; GO:0003793; E:defense/immunity protein activity; N
GO; GO:0003796; F:MHC class I receptor activity; NAS.
GO; GO:0006955; P:immune response; NAS.
GO; GO:0006955; P:natural killer cell activation; NAS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     EMBL; L76661; AAB36589.1; -. HSSP; P43626; INKR. Genew; HGNC:6340; KIR3DS1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          entities requires a license agreement (Some send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Theberg M., Vallacte M.M., Shim B.F., Shilling H.G., Darber M., Vallacte M.M., Shim B.F., Shilling H.G., Parbam Lienert-Weidenbach K., Corliss B., Tyan D., Lamier L.L., Parbam Human diversity in killer call inhibitory receptor genes.", Immunity 7:753-763(1997).

-I- FUNCTION: RECEPTOR CN NATURAL KILLER (NK) CELLS FOR HLA-C A DOES NOT INHIBIT THE ACTIVITY OF NK CELLS.

-I- SUBCELULUAR ICCATION: Type I membrane protein.

-I- SIMILARITY: BELONGS TO THE IMMUNOGLOBULIN SUPERFAMILY.

-I- SIMILARITY: Contains 3 immunoglobulin-like C2-type domains.
                                                                                                                                                                                                                                                                                                          SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PROSITE; PS50835; IG_LIKE; Receptor; Immunoglobulin do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SIGNAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                InterPro; IPR003599; Ig.
InterPro; IPR003036; Ig_MHC
Pfam; PF03047; ig; 3.
SMART; SM03409; IG; 3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CHAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDLINE-98090086;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      VARIANT HIS-166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Doehring
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Doehring C., Samaridis J., Colonna M.;
"Alternatively spliced forms of human killer inhibinory receptors.";
Immunogenetics 44:227-230(1996).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDLINE=96270004; PubMed=8662091;
                                           142
                                                                                  46
                                                                                                                                82
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HGNC:6340; KIR3DS1.
                                                                                                                                                                                                                                     Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Multigene
                                                                                                                                                                     MSPSPTALECLGLCLGRVP-----AQSGPL-----PKPSLCALPSSLVELEXEVT
                                      LQCWSDIMFEHFFLHKEWISKDPSRLVGQIHDGVSKANFSIGSMMRALAGTYRCYGSVTH
                                                                                  LRCQGPPGVDLYRLEK--
                                                                                                                           MSPVTTAHAGNYTCRGSHPHSETGWSAPSNPMVIMVTGNHRKPSLLAHPGPLVKSGERVI
-SYQNGSLWSLPSDQLELVATGVFAKPSLSAQPGPAVSSGGDVTLQCQTRYGFDQFALYK
                                                                                                                                                                                                                                                                                                       387
                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                     Α.
Έ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  family;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PubMed=9430221;
                                                                                                                                                                                                                                                                                                                                                   340
360
360
202
202
203
105
203
203
203
203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           367
                                                                                                                                                                                                                                                                                                     42902 MW;
                                                                                                                                                                                                                                19.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         domain; Glycoprotein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Polymorphism.
BY SIMILARITY
                                                                                                                                                                                                                27;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FALSE_NEG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CYTOPLASMIC (POTE IG-LIKE C2-TYPE 1 IG-LIKE C2-TYPE 2 IG-LIKE C2-TYPE 3 PY SIMILARITY)
                                                                                -- LSSSRYQDQ
                                                                                                                                                                                                                                                                                                                                                                                                                                   BY SIMILARITY.
BY SIMILARITY.
                                                                                                                                                                                                                                     Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                        N-LINKED
                                                                                                                                                                                                                                                                                                                          M-CINKED (GLCNAC)
R-> H.
/FTId=VAR_010377.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TAITMETCH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             EXTRACELLULAR (FOTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        KILLER CELL IMMUNOGLOBULIN-LIKE RECEPTOR
                                                                                                                                                                                                                                                                                                     CE75CE730D18E100
                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                       No. 3e-
                                                                                                                                                                                                                                                                                                                                                                 3e-18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (POTENTIAL).
                                                                                                                                                                                                                                                       25
                                                                                                                                                                                                                105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20 12 1
                                                                                AVIFIPAMKRSLAGRYRC-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Signal;
                                                                                                                                                                                                                                                                                                   CRC64;
                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                   (POTENTIAL)
(POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Transmembrane,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Parhan
                                                                                                                                                                                                                49;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        τ)
...
                                                                                                                                                                                                                Gaps
                                                                                                                           140
                                                                                                                                                                       'n.
                                                                                88
```

```
당
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            'n
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      _HUMAN
                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE FROM N.A. (ISOFORMS 1; 3; 4 AND 5).

**REDINKE=97378880; PubMed=9234477;

**Selvakumar A., Steffens U., Palanisamny N., Chac

"Genomic organization and allelic polymorphism

cell inhibitory receptor gene KTR103.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "K2L4 HUMAN STANDARD; PRT; 377 AA. 999766; C14621; C14622; C14623; C14624; C43834; P784C3; C999766; C999561; C999561; C999562; C999562; C999562; C990CJ7; CRel. 4C, Created)
16-CCT-20C1 (Rel. 4D, Last sequence update)
15-SEP-20C3 (Rel. 4Z, Last annotation update)
Killer cell immunoglobulin-like receptor ZDL4 precursor MK cell receptor KIRLC3AS) (Killer cell inhibitory receptive KIRLC3AS) (Killer cell inhibitory receptive KIRLC3AS) (Killer cell inhibitory receptive KIRLC3AS)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Selvakumar A., Steffens U., Dupont B.; "NK cell receptor gene of the KIR family with highest homology to KIR receptors with three I
                                                                                                                                        Submitted (DEC-199 [6] SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                Uhrberg M., Valiante N.M., Shum B.P., Shilling H.G., Lienert-Weidenbach K., Corliss B., Tyan D., Lanier L.L., "Buran dwersity in Kiler cell inhibitory receptor generamunity 7:753-763(1997).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      KIR2DL4 OR KIR103AS.
Homo sapiens (Human)
                                                                                                                 MEDLINE=97213129; PubMed=9059894;
Selvakumar A.;
                                                                                                                                                                                                          SEQUENCE FROM N.A.
Chan H.W., Salter R.D.
                                                                                                                                                                                                                                                                                                     MEDLINE=98090086; PubMed=9430221
                                                                                                                                                                                                                                                                                                                 SECUENCE FROM N.A.,
                                                                                                                                                                                                                                                                                                                                             Submitted
                                                                                                                                                                                                                                                                                                                                                           Biassoni R.
                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE FROM N.A.
TISSUE=Lymphoid;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE FROM N.A. MEDLINE=97102173; PubMed=8946682;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Eukaryota; Metazoa;
                                                                                         receptors
                                                                                                                                                                                 inhibitory receptors."
                                                                                                                                                                                                "Exon deletion
                                                                                                                                                                                                                                                                                                                                                                                                             Tissue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NCBI_TaxID=9606;
                                                                        mmunol. Rev.
                                                                                                    "Polymorphism and
        mmunol Rev. 155:183-196(1997).
:- FUNCTION: RECEPTOR ON NATURAL K.
INHIBITS THE ACTIVITY OF NK CELI-
USUBCELIULAR LOCATION: Type I men
- ALTERNATIVE PRODUCTS:
Event=Alternative splicing, Name
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ssue Antigens 48:285-294(1996).
                                                                                                                                                                                                                                                                                                                                                                                                           inhibitory receptor gene KI
ue Antigens 49:564-573(1997)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      148
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TFYQ----LSAPSOPUDITVTGLYEKPSLSAQPGPKVQAGESVT.SCSSRSSYDMYHLSR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TGNPSSSWPSPTEPSSKSGNLRHILHIGTSVVKIPFTILLF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TGTSVTPSRLPTEPPSSVAEFSE----ATAELTVSFTNKVF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             EGGAHERRIPAVRKVNRTFQÅDFFL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EGDPAPYKNP-----ERWYRASEPTTTVTAAHSGTYRCYSESSRDPYLWSAPSDPLELVV
                                                                                                                                                                                                                                                                                                                                            (JAN-1997) to the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Eutheria;
                                                                                                                                                                      (BEC-1998)
                                                                                                                                                                                                contributes
                                                                                                    domain variability
                                                                                                                                          (ISOFCRM
                                                                                                                                                                                                                                                                                                                                                                                   (ISOFCRMS 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Chordata;
Primates;
                                                                                                                                                                                                                                                                                                                 AND VARIANTS
                                                                                                                                                                    to the
         splicing; Named isoforms=6;
                                                                                                                                                                                                ç
                                                                                                                                           <u>ب</u>
                                                                                                                                                                      EM51/GenSank/DDSJ
                                                                                                                                                                                                                                                                                                                                             EMBL/GenBack/CDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Craniata; Vertebrata;
Catarrhini; Hominidae;
                                                                                                                                                                                                structural diversity of
                                    CELLS THUS
                                                                                                                                                                                                                                                                                                                                                                                   2
                                                  ELLS THUS
                                                                                                                                                                                                                                                                                                                                                                                   AND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             -GPATHGGTYRCFGSFRHSPYEWSDPSDPLLVSV
                                                                                                     0
                                                                                                     human killer
                                                  (NK) CELLS FO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                     Chaganti
hism of th
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   h two
                                                                                                                                                                    databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     domains
                                                                                                                                                                                                                                                                                                                                                                                                                                        ti R
the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Euteleostomi; Homo.
                                                                                                                                                                                                                                                               genes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         357
                                                              FOR
                                                                                                     domains
                                                                                                                                                                                                                                                                                                                                                                                                                                       ່ຣ.K.,
ກິດman
                                                  CELL
                                                                                                                                                                                                2DL4 killer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (MHC class
otor 103AS)
                                                                                                                                                                                                                                                                            Parham
                                                                                                     inhibitory
                                                  SISAT
                                                                                                                                                                                                                                                                                                                                                                                                                                        killer
killer
                                                                                                                                                                                                                                                                             ۳
:
                                                                                                                                                                                                                                                                                                                                                                                                                                                   w
..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  257
```

```
EMBL: U71199; AAB49756.1; ...
EMBL: AF003112, AAB61926.1; 20
EMBL: AF003117; AAB61926.1; 20
EMBL: AF003117; AAB61926.1; 20
EMBL: AF003118; AAB61926.1; 20
EMBL: AF003112; AAB61926.1; 20
EMBL: AF003122; AAB61926.1; 20
EMBL: AF003122; AAB61926.1; 20
EMBL: AF003122; AAB61926.1; 20
EMBL: AF003122; AAB61926.1; 20
EMBL: AF002999; AAB71388.1; ---
EMBL: AF002999; AAB71389.1; ---
EMBL: X99729; CAA65868.1; ---
EMBL: X99729; CAA65868.1; ---
EMBL: X99729; CAA67842.1; ---
EMBL: X99480; CAA67842.1; ---
EMBL: X99480; CAA6784.1; ---
EMBL: X99481; CAA6784.1; ----
EMBL: X99481; CAA6784.1; ----
EMBL: X99481; CAA6784.1; -----
EMBL: X99481
                                                                                         DOMAIN
TRANSMEM
DOMAIN
DOMAIN
DOMAIN
DOMAIN
DOMAIN
CONSTRUCTED
CARBOHYD
CARBOHYD
VARSPLIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GO; GC:000888; C:integral to plasma membrane; TAS. GO; GC:000888; F:transmembrane receptor activity; GO; GC:0006968; F:transmembrane receptor activity; GO; GC:0000968; F:ccllular defense response; TAS. GC; GO:0007145; P:signal transduction; TAS. InterPro; IPR003006; Ig_MHC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Genew;
MIM; 6;
GO; GO
GO; GO
GO; GO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Repeat; Multigene family; SIGNAL 1 21 CHAIN 22 377
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 use by non-profit institutions as long modified and this statement is not removed. entities requires a license agreement (See or send an email to licensewisb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 This
         VARSPLIĆ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Fram; PFC0047; ig; 2.
PROSITE; PS50835; IG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            between
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     s SWISS-PROT entry is copyright. It is produced through a collaboration ween the Swiss Institute of Bioinformatics and the EMBL outstation - Buropean Bioinformatics Institute. There are no restrictions on its by non-profit institutions as long as its content is in no way
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 IsoId=299706-6; Sequence=VSP_002608, VSP_002609, VSP_002
SIMILARITY: BELONGS TO THE IMMUNOGLOBULIN SUPERFAMILY.
SIMILARITY: Contains 2 immunoglobulin-like C2-type domains
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Name=3; Synonyms=AS;
IsoId=C99706-3; Sequence=VSP_002610;
Name=4; Synonyms=ASD1;
IsoId=C99706-4; Sequence=VSP_002609,
Name=5; Synonyms=ASD2;
IsoId=C99706-5; Sequence=VSP_002509,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Name=6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ime=2; Synonyms=AST;
IsoId=Q99706-2; Sequence=VSP_
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IsoId=Q99706-1; Sequence=Displayed;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PS50835; IG_LIKE; FALSE_NEG
Immunoglobulin domain; Glyo
                                                                                                  244
244
244
244
244
244
275
275
275
                                                                                                  242
263
377
104
202
202
202
1195
1175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                domain; Glycoprotein; ; Alternative splicing; BY SIMILARITY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Canton Ca
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CONTROL CONTRO
POTENTIAL:

CYTOSELANIC (POTENTIAL)

IG-JIKE C2-TYPE 1:

IG-JIKE C2-TYPE 2:

BY SIMILARITY.

BY SIMILARITY.

BY SIMILARITY.

IN-LINKED (GLCMAC...) (IN-LINKED (G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EXTRACELLULAR (POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      KILLER CELL IMMUNCGLOBULIN-LIKE RECEPTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          . Usage by and for http://www.isb-sib.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            VSP_002610
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   vsp_002610,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Signal; Transmembrane; Polymorphism.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TAS
                                                                                                                                                 (POTENTIAL)
                  isoform
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          VSP_002610.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   VSP_002611;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     for commercial 
ib.ch/announce/
              4, iscform
```

```
RANK RANK OCCOORDED DE BOTTO CO
                                                                                                                                                                                                                                                                                                     Õ
                                                                                                                                                                                                                                                                                                                                                 Ş
                                                                                                                                                                                                                                                                                                                                                                           ď
                                                                                                                                                                                                                                                                                                                                                                                            Ş
                                                                                                                                                                                                                                                                                                                                                                                                                       ñ.
                                                                                                                                                                                                                                                                                                                                                                                                                                           5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   유왕
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 맑
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT
                                                                                                                                                                                                                                                                                                                          S
                                                                               331 HUMAN STANDARD; PRT; 444 AA.

C P4352; 043473; Q16541;
C P4352; 043473; Q16541;
T 01-KCV-1995 (Rel. 32, Last sequence update)
T 15-SEP-2003 (Rel. 42, Last annotation update)
T 18-Kiler cell immunoglobulin-like receptor 3DL1 precursor (MHC class MX cell receptor) (Matural killer associated transcript 3) (NKAT-BE MX cell receptor).

E MX cell receptor).

MX cell receptor).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local
SEQUENCE FROM N.A.
TISSUE-Matural killer cells;
MEDLINE-95232526; PubMed-7716543;
Colonna M., Samaridis J.;
"Cloning of immunoglobulin-superfo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CONFLICT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              VARIANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           VARIANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                VARIANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      VARIANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             VARIANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   VARSPLI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     VARSPLIC
                                                                                                                                                                                                                                                                                                        285
                                                                                                                                                                                                                                                                                                                               232
                                                                                                                                                                                                                                                                                                                                                                           182
                                                                                                                                                                                                                                                                                                                                                                                                  165
                                                                                                                                                                                                                                                                                                                                                                                                                                               0...
                                                                                                                                                                                                                                                                                                                                                                                                                         122 LYEKPSLTARPGPTVRTGENVTLSCSSQSSFDIYHLSREGEAHELRLPAVPSINGTFQAD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 MSPSPTALFCUGLCUGR-VPAQSGPUPKPSUQALPSSUVPLEKPVTURCQGPPGVDLYRU
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                           VFAKPSLSAQ9GPAVSSGGDVTLCCQTRYGFDQFALYKESD9APYKNP----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MSPTVIILACIGFFIDQSVWAHVGGQDKPFCSAWPSAVVPQGGHVTLRCHYRRGFNIFTL
                                                                                                                                                                                                                                                                                 PELLERWOSKKK
                                                                                                                                                                                                                                                                                                       GFLAEDWHSRRK
                                                                                                                                                                                                                                                                                                                                                    BATABLITVSFTNKVFTTETSRSITTSPKESDSPAGPARQYYTKGNUVRICLGAVILIILA
                                                                                                                                                                                                                                                                                                                                                                           PPL--GPATHGETYRCFGSFHGSPYSWESDASDPUSVTGNPSSWESPTBP
                                                                                                                                                                                                                                                                                                                                                                                          FPIITVTAAHSGTYRCYSFSSRDPYIMSAPSDPLELVVTSTSVTPSRLPTRPPSSVAEFS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     YKKOGVPVPELYNRIFWNSFLISP-LIPAHAGTYRCRGFHPHSPTEWSAPSNPLVIMVTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            EKLSS----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           229
377 .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    271
    immunoglobulin-superfamily
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             371
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   271
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     236
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      87
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            $
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           229
41527
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             371
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   271
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               13a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      270
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     87
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            5.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        19.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       -SRYODOAVIFIPAMKRSLAGRYRC---SYONGSLWSLPSDQLELVATG
                                                                                                                                                                                                                                                                                 270
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            N.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              42; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5 and isoform 6).
/FTIG=VSP_002610.
Missing (in isoform /
FTIG=VSP_002611.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /FTId=VAR_010312.
T -> P (IN REF. 5)
; 7ECAECFCC7F4143B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 340; DB 1;
Fred. No. 4.5e·18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Yissing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /FTId=VAR_010311
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /FTId=VAR_010310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /FTId=VAR_010309
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5 and isoform 6)
/FTId=VSP_002609
Missing (In isofo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /FTId=VAR_C1C307
                                                                                   Craniata; Vertebrata; Euteleostomi; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FTId=VAR_010308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              z
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Z,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            סי
       members
                                                                                                                                                                                                                                                                                                                               ---KTGIAKHLHA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       r isoform
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 112;
       associated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 377;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ١,,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   <u>5</u>.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
                                                                                                                                                                                                                                                                                                                               --VIRYSVAIILETILE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      iscform
      with HLA-C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 60;
                                                                                                                                                      (NKAT-3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      4.
                                                                                                                                                                                                                                                                                                                                                                                                                                               -ERWYRAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      :sc:orm
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                               N)
U*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   62
                                                                                                                                                                                                                                                                                                                                                                                                                         8:
                                                                                                                                                                                                                                                                                                                                                                                                                                                 . 64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             .09
                                                                                                                                                                                                                                                                                                                                                                             231
```

```
EMBL; 141269; AAA69870.1; -.
EMBL; J30273; AA552521.1; -.
EMBL; J30274; AA552522.1; -.
EMBL; X94262; CAA63398.1; -.
EMBL; J31416; AAC23725.1; -.
EMBL; J31416; AAC23725.1; -.
                                                                                                                                                                                                       EMBU, U31416; AAC23725
EMBU; AFC22049; AAB953
EMBL; G01925; G01925
FIR; G01925; G01925
HSSP; F434626; INKR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TISSUE-Peripheral blood lymphocytes;

WEDLINE-96343861, FibMed-8750804;

Pende D. Biassoni R., Cantoni C., Verdiani S., Falco M.,

di Donato C., Accame L., Bottino C., Moretta A., Moretta L.;

"The natural killer cell receptor specific for HJA-A allotypes: a
movel member of the p58/070 family of inhibitory receptors that is
characterized by three immunoglobulin-like domains and is expressed
as a 140-kD disulphide-linked dimer.";

J. Exp. Med. 184:555-518(1996).
               GO; GO:0005897; C:integral to plasma membrane; NAS.
GO; GO:0003793; F:defense/Lementity protein activity; NAS.
GO; GO:0030109; F:HLA-B specific inhibitory MHC class I r
GO; GO:0030109; P:immune response; NAS.
GO:0000695; P:immune response; NAS.
GO:0000002; P:negative regulation of natural killer of InterPro; IPR00359; Ig.
InterPro; IPR00359; Ig.
InterPro; IPR003006; Ig_MHC.
Grant; SMORT; SMORO009; IG; 3.
SMART; SMORO009; IG; 3.
SMART; SMORO009; IG; 3.
SMART; SMORO009; IG; 3.
                                                                                                                                                                                                                                                                                                                                                                     This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBJ coustation the European Bioinformatics Institute. There are restrictions on its use by non-profit institutions as long as its context is in no way modified and this statement is not removed. Usage by and for commercial centities requires a license agreement (See http://www.isb-sib.ch/announce/
                                                                                                                                                                               MIM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Uhrberg M., Valiante N.M., Shum B.F., Shilling H.G., Lienert-Weidenbach K., Corliss B., Tyan D., Lanier L.L., "Human diversity in killer cell inhibitory receptor gene Immunity 7:753-763(1997).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Lanier L.L.;
"Molecular cloning
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE FROM N.A.
TISSUE=Blood:
                                                                                                                                                                                                                                                                                                                                                           or send
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDLINE=98090086;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDLINE=95378652; PubMed=7650366; D'Andrea A., Chang C., Franz-Baco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE FROM N.A
TISSUE=Peripheral
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Wagtmann N., Rajagopalan S., Winner C.C., Peruzzi M., Jong "Killer oell inhibitory receptors specific for HLA-C and Higher binding and by functional transfer.", Immunity 3:801-809(1995).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TISSUE=Peripheral blood lymphocytes; MEDLINE=96111967; PubMed=8777725;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Science
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      and
                                                                                                                                                                                                  Genew;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CELL LYSIS.
SUBCELLULAR LOCATION: Type I membrane protein.
SUMLARITY: BELONGS TO THE IMMUNOSICEULIN SUPERFAMILY.
SIMIDARITY: Contains 3 immunoglobulin-like C2-type domains.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      HLA-B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FUNCTION:
                                                                                                                                                                                  604946;
                                                                                                                                                                                            P43626; INKR
HGNC:6338; I
                                                                                                                                                                                                                                                                                                                                                           s requires a license agreement (Sman email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     -B recognition by human natural killer cells.", 268:405-408(1995).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  > .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FRCM N.A., AND VARIANTS.
98090086; PubMed=9430221;
 PS50835; IG_LIKE; Immunoglobulin do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         N: RECEPTOR ON NATURAL IMPIBITS THE ACTIVITY
     101 49.
101 40.
101 40.
101 10.
                                                                                                                                                                                                  KIR3DUL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       of NKB1. A natural killer cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Franz-Bacon
 domain; Glycoprotein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OF NK C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      <u>.</u>
;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       McClanahan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         R (NK)
                                                                                                natural killer cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CELLS
Signal;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     receptor for HLA-B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      .
:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       S FOR HIA BW4
PREVENTING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        genes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Long E.C.;
and HLA-B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Phillips J.
                                                                                                                             recep.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Parkan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ڻ•
```

```
RESULT 5
K2S2_HUMAN
                                                                                                     9
                                                                                                                        g.
                                                                                                                                      Ş
                                                                                                                                                         2
                                                                                                                                                                        Ş
                                                                                                                                                                                            Ď,
                                                                                                                                                                                                           $
                                                                                                                                                                                                                             b,
                                                                                                                                                                                                                                             Ş
                                                                                                                                                                                                                                                                밁
                                                                                                                                                                                                                                                                               Ş
                                                                                                                                                                                                                                                                                                  ß.
                                                                                                                                                                                                                                                                                                                S
                                                                                                                                                                                                                                                                                                                                                                      Query Match
Rest Local Similarity
Matches 112; Conserv
 R252 HUMAN S
P43631; Q14955;
01-NOV-1995 (Rel
16-OCT-2001 (Rel
15-SEP-2003 (Rel
Killer cell immu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DISULFID
DISULFID
DISULFID
CARBOHYD
CARBOHYD
CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DOMAIN
TRANSMEM
DOMAIN
DOMAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Repeat;
SIGNAL
CHAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DOMAIN
                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                        VAR LANT
                                                                                                                                                                                                                                                                                                                                                                                                        VARIANT
                                                                                                                                                                                                                                                                                                                                                                                                                         VARIANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                          VARIANI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            VARIANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            VARIANT
                                                                                                                                                                                             51
53
                                                                                       364 NSEDSDEQD
                                                                                                        323
                                                                                                                         38
                                                                                                                                          263
                                                                                                                                                                            203
                                                                                                                                                                                                             148
                                                                                                                                                                                                                                                                142
                                                                                                                                                                                                                                               99
                                                                                                                                                                                                                                                                                                   82
                                                                                                                                                                                                                                                                                 46 LRCQGPPGVDLYRLEKLSSSRYQDQAV-----LFIPAMKRSLAGRYRO-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Multigene
                                                                                                                                                                                                                                                                                                                MSSSTALFCLGLCLGRVP-----AQSGFL-----PKPSLQALPSSLVPLEKPVT
                                                                                                                                                                                                                              TPYQ----LSAPSDPLDIVVTGPYEKPSLSAQPGPKVQAGESVTLSCSSRSSYDMYHLSR
                                                                                                                                                                                                                                                                LOCMSDIMFEHFFLHKEGISKDPSRLVGQIHDGVSKANPSIGPMMLALAGTYRCYGSVTH
                                                                                                        GGQDGGRQD
                                                                                                                         HLHI--
                                                                                                                                         QYYTKGNEVRICEGAVILEELAGSEAEDWHSRRKRERHRGRAVQRPEPSEPSEPSTRKSH
                                                                                                                                                                           TGTSVTPSRLETEPPSSVABESEATABLTVSFTNKVFTTBTSRSITTSPKESDSPAGPAR
                                                                                                                                                                                            EGGAHERRUPAVRKVNRTFQÅDFPL--GPATHGGTYRCFGSFRHSPYEKSDPSDPLLVSV
                                                                                                                                                                                                        BGDPAPYKKP----ERWYRASFPIITVTAAHSGTYRCYSPSSRDPYLWSAPSDPLELVV
                                                                                                                                                                                                                                          -SYQNGSLWSIPSDQIELVATGVEAKPSISAQPGPAVSSGGDVTIQCQTRYGFDQFALYK
                                                                                                                                                                                                                                                                                                   MSPVTTAHAGNYTCRGSHPHSPTGWSAPSNPVVIMVTGNHRKPSLLAHPGPLVKSGERVI
                                                                                                                                                                                                                                                                                                                                                                     444
(Rel. 40, Last sequence update)
(Rel. 42, Last annotation updat
immunoglobulin-like receptor 2D
                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             241
341
341
237
237
244
273
273
                                                                                                                                                                                                                                                                                                                                                                                                                                         8
                                                                                                                                                                                                                                                                                                                                                                     AA;
                                            STANDARD;
                                                                                                                        LIGISVVIILFILLLFFLLHUWCSNKK----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      family;
                                                                                       392
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           293
273
273
273
273
                                                                                                                                                                                                                                                                                                                                                                                                        259
                                                                                                                                                                                                                                                                                                                                                                      49098
                                                                                                                                                                                                                                                                                                                                                                                                                         75
                                                                                                                                                                                                                                                                                                                                                                                                                                       89
                                                                                                                                                                                                                                                                                                                                                                                                                                                          23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13
                                                                                                                                                                                                                                                                                                                                            30.8%;
                                                                                                                                                                                                                                                                                                                                                                      ¥.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Polymorphism
                                                                                                                                                                                                                                                                                                                                    34:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             IG-LIKE C2-TYPE 1
IG-LIKE C2-TYPE 2
IG-LIKE C2-TYPE 6
RY SIMILARITY 8
BY SIMILARITY 8
BY SIMILARITY 8
                                                                                                                                                                                                                                                                                                                                            Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  N-LINKED (GLONAC:
N-LINKED (GLONAC:
N-LINKED (GLONAC:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    KILLER
KILLER
                                                                                                                                                                                                                                                                                                                                            Score 335;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EXTRACELLULAR (POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3 D.L.
                                                                                                                                                                                                                                                                                                                                                                               /FTId=VAR
                                                                                                                                                                                                                                                                                                                                                                                              /FTId=VAR_010336
                                                                                                                                                                                                                                                                                                                                                                                                                                FTId=VAR_010322
                                                                                                                                                                                                                                                                                                                                                                                                                                               /FTId=VAR_010321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /FTId=VAR_010319
                                                                                                                                                                                                                                                                                                                                                                                                               FTId=VAR_010323
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FTId=VAR_010320
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Y SIMILARITY.
ILLER CELL IN
                                                                                                                                                                                                                                                                                                                                                                      47DEA12BBAFDEC53
                                                                                                                                                                                                                                                                                                                                    Mismatches
                                             304
                                                                                                                                                                                                                                                                                                                                                                              010324
                                                                                                                                                                                                                                                                                                                                                     DB I;
                                                                                                                                                                                                                                                                                                                                            .3e-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    IMMUNOGLOBULIN-LIKE
                                            ξ,
                                                                                                                         -NAAV----
                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                      CRC64;
                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (POTENTIAL)
                                                                                                                                                           WPSPTEPSSKSGNOR
   OH!N
                                                                                                                         · MDQEPAGNRTA
  class
                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                   4
                                                                                                                                                                                                             202
                                                                                                                                                                                                                               257
                                                                                                                                                                                                                                                                                 88
```

precursor

```
MIM, 604953; C:innegral to membrane; NAS: GO; GO:0016021; C:innegral to membrane; NAS: GO; GO:0024888; F:transmembrane receptor activ a GO; GO:0024888; F:transmembrane receptor activ a GO; GO:0024888; F:transmembrane receptor activ a GO; GO:0024888; F:transmembrane response; NAS: InterPro; IPR003599; Ig.
InterPro; IPR003599; Ig.
InterPro; IPR003599; Ig. MHC.
R Pfam; PF0047; Ig. 21
R Pf1047; IRR0409; IG. 1
R SNART; SM04409; IG. 1
R SNART; SM04409; IG. 1
R RECEPTOR; IMPUNCATION domain; Glycoprotein
R Receptor; IMPUNCATION fam: V
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A Blassoni R. Cantoni C., Falco M., Verdiani S., Bottino C., Vitale Conte R., Poggi A., Moretta A., Moretta L.;

7 "The human leukocyte antigen (HLA)-C-specific 'activatory' or inhibitory' natural killer cell receptors digplay highly homologo:

7 Textracellular domains but differ in their transmembrane and intracytoplasmic portions.":

8 Exp. Med. 183.645-650(1996).

9 Exp. Med. 183.645-650(1996).

10 Exp. Med. 183.645-650(1996).

11 C Exp. Med. 183.645-650(1996).

12 Exp. Med. 183.645-650(1996).

13 Exp. Med. 183.645-650(1996).

14 EXP. MEDITOR ON NATURAL KILLER (NK) CEILS FOR HLA C ALLED DOES NOT INHIBIT THE ACTIVITY OF NK CEILS.

15 EXPLENDIAR TOCATION: Type I membrane process.

16 EXPLICATION: ODITION OF THE IMMUNOGLOBULIN SUPERFAMILY.

17 EXPLICATION: ODITIONS 2 IMMUNOGLOBULIN SUPERFAMILY.

18 EXECUTION: TYPE I MEMORIAL SUPERFAMILY.

19 EXECUTION: TYPE I MEMORIAL SUPERFAMILY.
     COMAIN
TRANSMEM
DOMAIN
DOMAIN,
                                                                                                                                                                                                                                                                                                                                                                        This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bicinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial ontities requires a license agreement (See http://www.isb-sib.ch/announce/orsend an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Wagtmann N., Biassoni R., Cantoni C., Verdiani S., Malnati M.S., Vitale M., Bottino C., Moretta L., Moretta A., Long E.O., "Molecular clones of the g55 NK cell receptor reveal immunoglobulin-related molecules with diversity in both the extra- and intracellula domains.";
                                                                                                                                                                                                                                                                                     EMBL; U24079; AAC55338.1; ALT_INIT.
EMBL; L41347; AAA65225.1; -.
EMBL; K89863; CAA61983.1; -.
HSSP; P43626; 1NKR.
Genew; HGNC:6534; KIR2D52.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE FROM N.A.
TISSUE=Lymphoid;
MEDLINE=96195217; PubMed=8627176;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Colonna M., Samaridis J.; "Cloning of immunoglobulin-superfamily and HLA-B recognition by human natural Science 268:405-408(1995).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDLINE=95232526; PubMed=7716543; Colonna M., Samaridis J.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE OF 2-304 FROM N.A.
TISSUE=Natural killer cells;
MEDLINE=95269128; PubMed=7749980;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NK cell receptor) (Natural killer associated transcript 5) (NKAT-
(p58 natural killer cell receptor clone CL-49) (p58 NK receptor)
receptor 183 ActI).
KIRZDS2 OR NKAT5.
                                                                                                Repeat; Multigene
SIGNAL 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens (Human)
Eukarycta; Metazoa;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mammalia; Eutheria;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2:439-449(1995).
     246
246
42
                                                                                               £am:ly.
21
     245
265
304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Chordata;
Primates;
                  POTENTIAL.
CYTOPLASMIC (POTENTIAL)
                                                                 KILLER CELL IMMUNOGLOBULIN-LIKE 2052.
                                                  EXTRACELLULAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Craniata; Vertebrata; Euteleostomi; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                           receptor activity; NAS
                                                                                                                             Glycoprotein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         members associated killer cells.";
                                                                                                                             Signal;
                                                                                                                              Transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ly homologo:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            with
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Vitale
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                -5)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ξ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
   Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ω
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ε̈́
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Y.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         문
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     문
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SETTETTT OF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                            -X2L2-HJMAN STANDARD; PRT; 348 AA.
P44527; 914951;
01-NOV-1995 (Rel. 32, Created)
01-NOV-1995 (Rel. 32, Last sequence update)
15-SEP-2003 (Rel. 42, Last annotation update)
15-SEP-2003 (Rel. 42, Last annotation update)
15-Xiller nell immunoglobulin-like receptor 2D12 precursor
NK cell receptor) (Natural Killer associated transcript
(D58 natural Killer cell receptor clone CL-43) (D58 NK x
KR32D12 OR NACT6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAMCH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DCMAIN
DISULFID
DISULFID
CARBOHYD
CARBOHYD
CARBOHYD
CONFLICT
SEQUENCE
                                                                                                                                                                                    TISSUE=Natural killer cells;

KEDLINE=59269128; PubMed=7749380;

Wagtmann N., Biassoni R., Cantoni C., Verdiani S., Malnati M.S.,

Vitale M., Bottino C., Moretta L., Moretta A., Long E.C.,

"Molecular clones of the p55 NK cell receptor reveal immunoglobulin-
related molecules with diversity in both the extra- and intracellular
Dohring C., Samaridis J., Colonna M.;
"Alternatively spliced forms of human
Immunogenetics 44.227-232(1996)
-:- FUNCTION: RECEPTOR ON NATURAL KILL
ALBELS INHIBITS THE ACTIVITY OF
CELL LYSIS.
-:- SUBCELLULAR LOCATION: Type I membr
                                                                                                                                                                                                                                                                                                                                       Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens (Human)
                                                                                                              MEDLINE=96270004; PubMed=8662091;
                                                                                                                                SECUENCE
                                                                                                                                                                                                                                                                                          SECUENCE
                                                                                                                                                                                                                                                                                                                   NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              230
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              251
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         က
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        UI
VI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Similarity
                                                                                                                           FROM N.A.
                                                                                                                                                             2:439-449(1995).
                                                                                                                                                                                                                                                                                     FRCM N.A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LPTEPPSSVAEFSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PKESD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEDSD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               142
149
149
178
211
20
```

NATURAL KILLER ACTIVITY OF NK

CELLS protein

SUHT

FOR HLA-C PREVENTING

killer

inhibitory receptors.";

Craniata; Ve Catarrhini;

Vertebrala;

Euteleostomi;

or (MHC class of 6) (NKAT 6) (receptor).

Hominidae;

```
PSDPLDIVITGLYEKESLSAOPGPTVLAGESVTLSCSSRSSYDMYHLSREGEAHERRESA
                                                                                                                                                                                              PSDQLELVATGVFAKPSLSAQPGPAVSSGGDVTLQCQTRYGFDQFALYKEGD-----F
                                                                                                                                                                                                                                             LHR--EGKYKDTLHLIGEHHDGVSKANFSIGPMMQDLAGTYRCYGSVTHSPYQ----LSA
                                                                                GPKVNGT--FQADFPL--
                                                                                                                      APYKNPERWYRASFPIITVTAAHSGTYRCYSFSSRDPYLWSAPSDPLELVVTGTSVTPSR
                                                                                                                                                                                                                                                                                                                                                             MSPSPTALFCLGLC1--GRVPACSGPLFKPSLQNLPSSLVELEKPVT1RCCGPPGVD1YR
SPTEPSSKTGNPRHLHVLIGTSVVKIPFTILLFFLIHRWCSNKKNAAVMDQEPAGNRTVN
                                                                                                                                                                                                                                                                                   LEKLSSSRYQD-------
                                                                                                                                                                                                                                                                                                                           MSLMVVSMACVGFFLLQGAWP-HEGVHRKPSLLAHPGPLVKSEETVILQCWSDVRFEHFL
                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                205
100
198
84
178
21:
20
33501
                                                                                                                                                                                                                                                                                                                                                                                                                                              18.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ×
                                                                                                                                                                                                                                                                                                                                                                                                        35;
                                                                                GPATHGGTYRCFGSFRDSPYEWSNSSDPLLVSVTGNPSNSWP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  IG-LIKE C2-TYPE 2.
BY SIMILARITY.
BY SIMILARITY.
N-LINKED (GLCNAC...
                                        -ATABLTVSFT
                                                                                                                                                                                                                                                                                                                                                                                                                         Score 330.5; DB 1
Pred. No. 1.7e-17;
                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
                                                                                                                                                                                                                                                                                 -QAVLF1PAMKRSLAGRYRC-----SYQNGSLWSL
                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                          106;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (POTENTIAL)
(POTENTIAL)
                                        VETTETSRSITTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                304;
                                                                                                                                                                                                                                                                                                                                                                                                        6;
                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
289
                                                                                                                                                               173
                                                                                                                                                                                                                                             113
                                                                                                                                                                                                     151
                                                                                                                                                                                                                                                                                 (D)
                                                                                                                                                                                                                                                                                                                           uı
Qı
```

```
RESULT ?
K2L1_HUMAN
ID K2L1_HUMAN
                                                                                                                                                                          Ş
                                                                                                                                                                                                                                                                         문
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ş
                                                                                                                                              ß
                                                                                                                                                                                                            닭
                                                                                                                                                                                                                                       8
                                                                                                                                                                                                                                                                                                      Ś
                                                                                                                                                                                                                                                                                                                                   윉
                                                                                                                                                                                                                                                                                                                                                                  Ş
                                                                                                                                                                                                                                                                                                                                                                                                 В.
                                                                                                                                                                                                                                                                                                                                                                                                                             Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local S
Matches 102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DOMAIN
DISULFID
DISULFID
CARBOHYD
CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             EMBL, U24075; AAC50334.1; -.
EMBL, L7666; AAB36597.1; -.
PDB; 1EFX; 14-CUN-00.
PDB; 2DL1; 29-DEC-9;
PDB; 2DL1; 05-MAY-00.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CARBOHYD
CONFLICT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DOMAIN
DOMAIN
DOMAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as its content is in no way modified and this statement is not removed. Usage by and for commercial entitles requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Repeat; Multigene family; 3D-structure SIGNAL 21 BY SIMILA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PROSITE: PS50835; IG_LIKE: FALSE_NEG.
Receptor: Immunoglobulin domain; Glycoprotein; Signal;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Pfam; PF00047; ig; 2
SMART; SMC0409; IG; 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Genew;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   InterPro; IPR003599; Ig.
InterPro; IPR003006; Ig_MEC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SIMILARITY: BELONGS T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       604937
                                                                                  245
                                                                                                                                                                             212
                                                                                                                                                                                                             174
                                                                                                                                                                                                                                                                         114
                                                                                                                                                                                                                                          152
                                                                                                                                                                                                                                                                                                        66
                                                                                                                                                                                                                                                                                                                                     60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HGMC:6330; KIR2DL2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Similarity
                                                                                                               RICLG---AVILILAGFLAEDWHSRRK 296
                                                                                                                                                                              LPTEPPSSVAEFSEATAELTVSFTNKVFTTETSRSITTSPKESDSPAGPARQYYTKGNLV
                                                                                                                                                                                                             GPKVNGT--FOADEPL--GPATHGGTYRCFGSERDSPYEWSNSSDPLLVSVIGNPSNSWP
                                                                                                                                                                                                                                                                                                                                                                                                 MSLXVVSMACVGFFLLQGAWP-HEGVHRKESLLAHPGRLVKSEETVILQCWSDVRFEHFL
                                                                                                                                                                                                                                                                                                                                                                                                                                WSESTATECTUTCH - GRADAOSODIEKESTÓWIESSTADIEKEALTEGÓGEEGADTAK
                                                                                  HILIGTSVVIILFILLFFLLHRWCSNKK
                                                                                                                                                 SPTEPSSK
                                                                                                                                                                                                                                          APYKNPERWYRASEPIITVIAAHSGTYRCYSESSRDPYLWSAPSDPLELVVTGTSVTPSR
                                                                                                                                                                                                                                                                           PSDPLDIVITGLYEKPSLSACPGPTVLAGESVTLSCSSRSSYDMYHLSREGEAHECRFSA
                                                                                                                                                                                                                                                                                                        PSDQUELVATGVFAKPSUSACPGPAVSSGGDVTLQCQTRYGFDQFALYKEGD------P
                                                                                                                                                                                                                                                                                                                                       LHR--EGKFKOTIHLIGEHHUGVSKANFSIGPMMODLAGTYRCYGSVTHSPYC----LSA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ξ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       245
2644
205
107
108
178
178
211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             21
348
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          38472
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           18.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TO
s 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     THE IMMUNOGLOBULIN SUPERFAMILY. immunoglobulin-like C2-type domains
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    POTENTIAL,
CYTOPLASMIC (POTENTIAL).
IG-LIKE C2-TYPE 1.
IG-LIKE C2-TYPE 2.
BY SIMILARITY.
BY SIMILARITY.
BY SIMILARITY.
W.-LINKED (GLONAC...) ((
N.-LINKED (GLONAC...) ((
N.-LINKED (GLONAC...) ((
N.-LINKED (GLONAC...) ((
N.-LINKED (GLONAC...) (()
N.-LINKED (GLONAC...) (()
N.-LINKED (GLONAC...) (()
                                                                                                                                                                                                                                                                                                                                                                  -----CAVLETEAMKRSLAGRYRG-----SYÇNGSLWSL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 329; DB 1;
Pred. No. 2.6e-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                EXTRACELLULAR (POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              KILLER CELL
        PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          5B54C548F5CF3FBF
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LARITY
        348
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              IMMUNOGLOBULIN-LIKE
        ₹,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 348;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (POTENTIAL)
(POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                               88;
                                                                                                                                                                                                                                                                                                                                                                    90
EB
                                                                                                                                                                              271
                                                                                                                                                                                                                                          211
                                                                                                                                                                                                                                                                                                                                                                                                   က
(၁
                                                                                                                                                                                                            223
         EMBL; L41267; AAA69868.1; -.
EMBL; U24076; AAC50335.1; -.
EMBL; U24078; AAC50337.1; -.
EMBL; AFC22045; AAB95318.1; -.
PIR; A56247; A56247; A56247; PDB; 1XXX; 11-NOV-98.
PDB; 1XXX; 11-NOV-98.
PDB; 1XXY; 30-MAY-C1.
                                                                                                                                                                                                                                                                                                                                                  A FAR CRISIADACONSTITUTE (A. 1975). Wiley MEDINES97433335; PubMed=9288975; Wagtmann N., Long E.O., Wiley Fan O.R., Mosyak L., Winter C.C., Wagtmann N., Long E.O., Wiley Structure of the inhibitory receptor for human natural killer or receptors haematopoietic receptors."; Nature 389:96-100(1997); NATURAL KILLER (NK) CELLS FOR HLA-C AINHIBITS THE ACTIVITY OF NK CELLS THUS PREVENTING CELL LYSIS INHIBITS THE ACTIVITY OF NK CELLS THUS PREVENTING CELL LYSIS INHIBITS THE ACTIVITY OF NK CELLS THUS PREVENTING CELL LYSIS INHIBITS THE ACTIVITY OF THE IMMUNOGLOSICUM SIPERFAMILY.

-I- SIMILARITY: Contains 2 immunoglobulin like C2-type domains.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          P43626; C43470;
01-NCV-1995 (Rel. 32, Created)
01-NCV-1995 (Rel. 32, Last sequence update)
11-SEP-2003 (Rel. 42, Last annotation update)
Killer cell immunoglobulin-like receptor 2DLI precursor
NK cell receptor) (Natural killer associated transcript
[958 natural killer cell receptor clores CL-42/47.11) (preceptor) (958.1 MHC class-I specific NK receptor).
KIR2DLI OR NKATI OR CD158A.
Homo sapiens (Human).
                                                                                                                                                                                                                                     This SNISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as iong as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Coloria M., Samaridis J.;
"Cloring of immunoglobulin-superfamily and HLA-B recognition by human natural Science 268:405-408(1995).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
                   MIM; 604936; ...
GO; GO:0005887; C:integral to plasma membrane;
GO; GO:0004872; F:receptor activity; TAS.
GO; GO:0006955; P:immune response; TAS.
InterPro; IPR003599; Ig.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Uhrberg M., Valiante N.M., Shum B.P., Shilling H.G., Lienert-Weidenbach K., Corliss B., Tyan D., Lanier L.L., "Human diversity in killer cell inhibitory receptor genes Immunity 7:753-763(1997).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE FROM N.A., AND VARIANTS. MEDLINE=98090086; PubMed=9430221;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Wagtmann N., Biassoni R., Cantoni C., Verdiani S., Malnati M.S., Vitale M., Bottino C., Moretta D., Moretta A., Long E.O., monicular "Molecular clones of the 958 NX cell receptor reveal immunoglobulingelated molecules with diversity in both the extra- and intracellular
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE FROM N.A., AND SEQUENCE TISSUE-Natural killer cells; MEDLINE=95269128; PubMed=7749980;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TISSUE=Natural killer celis;
MEDLINE=95232526; PubMed=7716543;
Colonna M., Samaridis J.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            X-RAY CRYSTALLCGRAPHY (1.7 ANGSTROMS) OF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SECUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NCBI_TaxID=9606;
                                                                                                  Genew; HGNC:6329; KIR2DL1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   [mmunity 2:439-449(1995).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FRCM N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Craniata; Vertebrata; Euteleostomi; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            22-45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        / members
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            27-221
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        s associated cells.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         geres
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (p58 NK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 intracellular
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OHM.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Parham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        with
                                                                                                                                                                                                                                                                                                                                                                                                                   S184.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (NKAT-1)
                                                                                                                                                                                                                                                                                                                                                                                                                                 ALLELES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             y D.C.;
```

----VSA

151

2:3 231

· · - - I.H.I

273

```
2
                          ü
                                                                                                   Query Match
Best Local Similarity
Matches 101; Conserv
                                                                                                                                                                             STRAND
STRAND
SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TURN
STRAND
STRAND
STRAND
STRAND
TURN
TURN
STRAND
HELIX
STRAND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CARBOHYD
CARBOHYD
CARBOHYD
                                                                                                                                                                                                                                                                              STRAND
TURN
STRAND
STRAND
TURN
STRAND
                                                                                                                                                                                                                                                                                                                                                                                                                                                     TURN
STRAND
STRAND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STRAND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DISULFID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DOMAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Pfam; PF00047; ig; 2.

SMART; SM00409; IG; ILIKE; FALSE NEG.
PROSSITE; PS50835; IG LIKE; FALSE NEG.
Receptor; Immunoglobulin domain; 3lyo
Repeat; Multigene family; Polymorphis
SIGMAL
2:
                                                                                                                                                                                                                                         STRAND
                                                                                                                                                                                                                                                                                                                                                                                                                  STRAND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TURN
STRAND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            VARIANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 VARIANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               VARIANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      VARIANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          VARIANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 VARIANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DOMAIN
                                                                                                                                                                                                                                                                                                                                                                                                STRAND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        VARIANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      VARIANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CARBCHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DOMAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TRANSMEM
                          , MSLLVVSMACVGFFLLQGAWP-HEGVHRKPSLLAHPGPLVKSEETVLLQCWSDVMFEHFU
                                                           WSESELMTECTOTO:--OKANAVOSOBITEKESTOWTESSTABLIEKEALIKOOSEEGATIK
                                                                                                                                                                               348 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    22
246
265
265
142
149
149
178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 237
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          135
                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               266
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               184
                                                                                                                                                                                                    135
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1244
1200
1200
1200
1444
1744
1744
1744
1744
1744
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               237
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      233
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            266
                                                                                                                     31.04
                                                                                                                                                                                 38504 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             domain; Glycoprotein; Signal; Transmembrane;
Polymorphism; 3D-structure.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      N.LINKED (GLONAC,
N.LINKED (GLONAC,
N.LINKED (GLONAC,
N.LINKED (GLONAC,
Y.-> F.
                                                                                                   Score 328; DB 1;
Fred. No. 3.1e-17;
4; Mismatches 107;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CYTOPLASMIC (POTENTIAL).
IG-LIKE C2-TYPE 1.
IG-LIKE C2-TYPE 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         KILLER CELL IMMUNOSLOBULIN-LIKE RECEPTOR 2011.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    POTENTIAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EXTRACELLULAR (POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /FT1d=VAR_010335
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /FTId=VAR_010334
R .> C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         i -> R.
/FTId=VAR_C10333
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /FTId=VAR_010332
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /FTId=VAR_010331
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /FTId=VAR_003951
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /FTId=VAR_003950
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /FTId=VAR_003949
                                                                                                                                                                               3DFBF2D6FDCE1D1E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (11)
                                                                                                                                      Length 348;
                                                                                                                                                                                 CRC64;
                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (POTENTIAL)
(POTENTIAL)
(POTENTIAL)
                                                                                                   Gaps
                            5
                      RESULT BUMAN ID KZSI HUMAN ID KZSI HUMAN ID KZSI HUMAN ID KZSI HUMAN ID KZSI HACO (2495 A) (2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               뮍
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         $
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ω.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Š
EMBL; ACC22046; ...

EMBL; AF022046; ...

( HSSP; P43666; 1NKR.

Camew; HGNC:6333; KIR2DS1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              C.1954; O.1971; O.195471; O.1954; O.1954; O.1954; O.195471; O.1954
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE FROM N.A.

TISSUB-Lymphoid;

MEDLIXE=96195217; PubMed=8627176;

Siasson: R., Cantoni C., Falco M., Verdiam: S., Bottino C.,

Siasson: R., Cantoni C., Falco M., Verdiam: S., Bottino C.,

Conte R., Poggi A., Moretta A., Moretta L.;

"The human leukocyte antigen (H.M.)-C-specific 'activatory'

'inhibitory' natural killer cell receptors display highly reatracellular domains but differ in their transmembrane and

intracytoplasmic portions;";

D. Exp. Med. 183:645-650(1996).
                                                                                                                                                                                                                                                                                                                                                                                           MEDLINE-98090086; PubMed-9430221; Uhrberg M., Vallante N.M., Shum B.P., Shilling H.G., Lienert-Weidenbach K., Corliss B., Tyan D., Lanter L.J., "Human diversity in killer coll inhibitory receptor genermmunity 7:753-763(1997).
                                                                                                                                      This SWISS-PRCT entry is copyright. It is produced through a collaboration between the SWiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is no no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                      INTUICATION: RECEPTOR ON NATURAL KILLER (NK) CELLS FOR HLA-C AND LODGS NOT INHIBIT THE ACTIVITY OF NK CELLS.

SUBCELLULAR LOCATION: Type I membrane protein:
SINCLARITY: BELCHOS TO THE INMUNOGLOBULIN SUPERFAMILY.
SIMILARITY: Contains 2 immunoglobulin-like C2-type domains.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Eukaryota; Metazoa;
Mammalia; Eutheria;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens (Human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE FROM N.A.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           274
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  232
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         :14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         59
                                                                                X09892; CAA61982.1; -.
AF022046; AAB95319.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LEKLSSSRYQD------QAVLFIPAMKRSLAGRYRC-----SYQNGSLWSL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LIGTSVVIILFILLFFLLHRWCSNKK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLG---AVILITIAGFLAEDWESRRK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GPKVNGTFQADFPL--GPATHGGTYRCFGSFHDSPYEWSKSSDPLLVSVTGNPSNSWPSP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PSDQLELVATGVFAKPSLSAQPGPAVSSGGDVTLQCQTRYGFDQFALYKEGDPAPYKNP-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LHR--EGMENDTLRLIGEHHDGVSKÅNFSISRMTQDLÅGTYRCYGSVTHSPYQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TEPPSSVAEFSEATAELTVSFTNKVFTTETSRSITTSPKESDSPAGPARQYYTKGNLVRI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ----ERWYRASFPIITVTAAHSGTYRCYSFSSRDPYLWSAPSDPLELVVTGTSVTPSRLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PSDPLDIVIIGLYEKPSLSAQPGPTVLAGENVTLSCSSRSSYDMYHLSREGEAHERRLPA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TEPSSK---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Chordata; Cranista; Vertebrata; Euteleostomi; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AND VARIANT LYS-91.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          272
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             296
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ·TGNPRH---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        precursor (MEC class
                                                                                                                                                                                                                                                                                                                                                                                                                    genes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               and
                                                                                                                                                                                                                                                                                                                                                                                                                                         Parham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  homologous
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Vitale
```

ALLECES

'D'

```
DOCUMENT OCCOUNTS OCC
                                                                                                                                                                                                                                                                                                                                                                                   RESULT
K2L3_H
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Я
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   h
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          $
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Дò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local S
Matches 92
                                                                                                                                                                                                                                                                                                                                                                               NAMCH:
                                                                            Homo sapiens (Human).
Enkarycta; Metazca; Cl
Mammalia; Entheria; P.
NCBI TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TRANSMEM
DOMAIN
DOMAIN
DOMAIN
DISULFID
DISULFID
CARBOHYD
CARBOHYD
CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Repeat;
SIGNAL
CHAIN
                                                                                                                                                               P43628; C43472; P43628; P43672; P43628; C43472; P43628; C43472; P43628; C43472; P43628; C43472; P43628; C43472; P43628; P43628
SEQUENCE FROM N.A. TISSUE=Natural killer cells; MEDLINE=95232526; PubMed=7716543;
                                                                                                                                                                                                                                                                                                                                                             K2L3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Pfam; PF00047; ig; 2
SMART; SM00409; IG; 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DOMAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Receptor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           InterPro; IPR003599; InterPro; IPR003006;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PROSITE; PS50835;
                                                                                                                                                                                                                                                                                                                                                                                                       G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GO:0016021; C:integral to membrane; NAS. GO:0004998; F:transmembrane receptor activity; NAS GO:0006995; F:immune response; NAS.
                                                                                                                                                                                                                                                                                                                                                             HUMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2:4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  232 TEPSSETGNPRHIHVLIGTSVVKIPFTILLF 262
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              358
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ტ
()
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              89
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            92;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Multigene family, Polymorphism.
1 21 BY SIMILARITY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MSPSPTALFCLGLCL--GRVPACSGPLPKPSLQALPSSLVPLEKPVTLRCCGPPGVDLYR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GTKVNGTFQANFPL--GPATHGGTYRCFGSFRDSPYEWSKSSDFLLVSVTGNFSNSWFSP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ----ERWYRASPEIITVTWUHSGIYRCYSFSSRDPYLWSAPSDELELVVTGISVTPSRLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PSDCLELVATGVFAKPSLSAQPGPAVSSGGDVTLQCCTRYGFDQFALYKBGDPAPYKNP-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MSLTVVSMACVGFFLLQGAWP-HEGVHRKPSLLAHPGRLVKSEETVILQCWSDVMFEHFL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PSDPLDIVIIGLYEKPSLSAQPGPTVLAGENVTLSCSSRSSYDMYHLSREGEAHERRLPA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      THR--EGMENDITALIGENHOGVSKANESISRMRQDLAGTYRCYGSVTHSPYQ----ISA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LEKLSSSRYOD--
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PS50835; IG_LIKE; FALSE_NEG.
Immunoglobulin domain; Glycoprotein; Signal; Transmembrane;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IPR003006; Ig_MHC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3C4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2465
2465
2465
142
1444
1788
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AA.
                                                                                                                                                                                                                                                                                                                                                             STANDARD,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Chordata;
Primates;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           33646 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              18.2%;
33.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         -ATAELTVSPINKVF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      35;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CYTOPLASMIC (POTENTIAL).
IG-LIKE CO-TYPE 1.
IG-LIKE CO-TYPE 2.
BY SIMILARITY.
BY SIMILARITY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 325.5;
Pred. No. 4.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /FTId=VAR_010318.
4193A5421510AE06 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                POTENTIA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EXTRACELLULAR (POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         KILLER CELL IMMUNOGLOBULIN-LIKE
                                                                                                      Craniata; Vertebrata; Euteleostomi;
Catarrhimi; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                             PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches 103;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              - CAVLFIPAMKRSLAGRYRC-----SYQNGSLWSL
                                                                                                                                                                                                                                                                                                                                                             341
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .1e-17
                                                                                                                                                                                                                                                                                                                                                             ξ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (POTENTIAL)
(POTENTIAL)
(POTENTIAL)
(POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    304;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        41;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RECEPTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          213
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9
  DISULFID
DISULFID
CARBOHYD
                                                                                                                                              CARBOHYD
CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Science
                                                                                                                                                                                                                                                    NIAMOC
NIAMOC
                                                                                                                                                                                                                                                                                                                 DOMAIN
TRANSMEM
                                                                                                                                                                                                                                                                                                                                                                               CHAIN
                                                                                                                                                                                                                                                                                                                                                                                                    Repeat;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   InterPro; IPR003599; Ig. Mic InterPro; IPR003006; Ig_Mic Pfam; PF00047; ig; 2. SMART; SM00409; IG; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        EMBL; AF022048; AAB95321.1;
PIR; 161725; 161725.
HSSP; P43626; INKR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bicinformatics and the EMBL outstation the European Bicinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INTERIOR: RECEPTOR ON NATURAL KILLER (NK) CELLS FOR HLA-C A INHIBITS THE ACTIVITY OF NK CELLS THUS PREVENTING CELL LYSI
SUBCELLULAR LOCATION: Type I membrane protein
I SIMILARITY: BELONGS TO THE INMUNOGLOBULIN SUPERFAMILY.
SIMILARITY: Contains 2 immunoglobulin-like C2-type domains.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TISSUE-Natural killer cells;
MEDLINE-95269128; PubMed=7749980;
Waggmann N. Biassoni R., Cantoni C., Verdiani S., Malnati M.S.,
Vitale M., Bottino C., Moretta L., Moretta A., Long E.O.;
"Molecular clones of the p58 NK cell receptor reveal immunoglobulin-
related molecules with diversity in both the extra- and intracellula
domails.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Colonna M., Samaridis C.; "Clonna M., Samaridis C.; "Clonna M. Immunoglobulin-superfamily members associated with HLA-C and HLA-B recognition by human natural killer cells."; Science 268:405-408(1995).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GO; GO:0016021; C:integral to membrane; T
GO; GO:0004872; F:receptor activity; TAS.
GO; GO:0006955; P:immune response; TAS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Genew; HGNC:6331; KIR2DL3:
MIM; 604938; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EMBL; L41268; AAA69869.1; -.
EMBL; U24074; AAC50333.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Uhrberg M., Valiante N.M., Shum B.P., Shilling H.G., Lienert-Weidenbach K., Corliss B., Tyan D., Lanier i.L., Flienert-Weizenbach k., Corliss B., Tyan D., Lanier i.L., Flienen diversity in killer cell inhibitory receptor genes. Immunity 7:753-763(1997).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE FROM N.A.,
VARIANT
                                         VARIANT
                                                                                   VARIANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PROSITE; PS50835; IG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDLINE=98090086;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE
                                                                                                                          VARIANT
                                                                                                                                                                                                                                                                                                                                                                                                                                            Receptor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Immunity 2:439-449(1995)
                                                                                                                                                                                                                                                                                                                                                                                                                      Multigene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FROM
                                                                                                                                                                                                                                                                                                                                                                                                                                          PS50835; IG_LIKE; FALSE_NEG.
Immunoglobulin domain; Glycoprotein; Signal;
                                                                                                                                              22
246
266
266
242
142
149
178
                                         56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     z
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PubMed=9430221;
                                                                                                                                                                                                                                                                                                                                                                                                                      famıly;
                                                                                                                          2245
11205
1205
1205
1211
1211
                                                                                                                                                                                                                                                                                                                                                                                   341
                                     O)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AND VARIANTS
                                                                                                                                                                                                                                                                                                                                                                                                Polymorphism.
BY SIXILARITY
                                                                                                                                                                                     CYTOPLASMIC (POTENTIAL):
IG-LIKE C2-TYPE 1:
IG-LIKE C2-TYPE 2:
BY SIMILARITY:
BY SIMILARITY:
N-LINKED (GLONAC: ...) (
                                                                                                                                           N-LINKED
                                                                                                                                                                                                                                                                                                                    POTENTIAL
             2 -> E.
/FTId=VAR_010315
                                                                                                                                                                      N-LINKED
                                                                                                                                                                                                                                                                                                                                         EXTRACELLULAR (POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                                 KILGER CELG
                                                          /FTId=VAR_010314
                                                                                                    /FTId=VAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ALA-9;
                                                                                                                                       ARILLA
J (GLONAC. . .
D (GLONAC. . . .
D (CTONAC. . .
                                                                                                    _010313
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ARG-32;
                                                                                                                                                                                                                                                                                                                                                                                 IMMUNOGLOBULIN-LIKE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GUU-56;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FOR HIA-C ALI
NG CELL LYSIS
                                                                                                                                                (POTENTIAL
                                                                                                                                                                   (POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                                                                                              Transmembrane;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         intracellular
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ARG-71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Parham
s.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ALLELES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CKR
```

```
RESULT 10
K2S4_HUMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9
     Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ő
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Я
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         뮍
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            뮍
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ų
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SY FT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sest Loc
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          01-NOV-1995 (Rel. 32, Created)
01-NOV-1997 (Rel. 35, Last sequence update)
15-SEP-2003 (Rel. 42, Last annotation update)
15-SEP-2003 (Rel. 42, Last annotation update)
Killer cell immunoglobulin-like receptor 2DS4 precursor (MHC clase)
NK cell receptor) (Matural killer associated transcript 8) (NKAT-
(P58 natural killer cell receptor clone CL-39) (P58 NK receptor)
SEQUENCE FROM N.A.
TISSUE=Lymphoid;
MEDLINE=9630503; PubMed=8765026;
Böttino C., Sivori S., Vitale M., Car
Morelli L., Augugliaro R., Semenzato
Moretta A.;
                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens (Human).
Eukaryota; Metazca; Chordata;
Mammalia; Eutheria; Primates;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      K2S4_HUMAN
P43632;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           VARIANT
                                                                                                                                                                                                                                                                                                                                  SEQUENCE FROM N.A.
TISSUE=Natural killer cells;
MEDLINE=95269128; PubMed=7749980;
                                                                                                                                          Doehring C., Sa
"Alternatively
                                                                                                                                                                                              SEQUENCE
                                                                                                                                                                                                                                                               Wagimann N., Blassoni R., Canioni C., Verdiani S., Malnati M.S., Vitale M., Bottino C., Moretta L., Moretta A., Long E.G.; Wolecular clones of the p58 NX cell receptor reveal immorglobulingelated molecules with diversity in both the extra- and intracellular
                                                                                                                                                                                                                                                                                                                                                                                                     NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               KIR2DS4 OR NKAT8 CR KKA3.
                                                                                                                        MEDIINE 96270004; PubMed=866209; 
Dockring C., Samaridis J., Co.5mn
"Alternatively spliced forms of b
immunogenetics 44:227-230(1996)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               272
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  230
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5 1
5 1
44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            245 HVDIGTSVVIIDEILLIEFLLHRWCCNKK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           φ
Q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ۲,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   l Similarity
99; Conserv
                                                                                                                                                                                            FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WSPSETALECTORCE - GRVEAQSGELEKESTÇALESSIVETEKEVTTRÇQGEEGVDIYE
                                                                                                                                                                                                                                  2:439-449(1995).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RICLGA----VILITLAGELAEDWESRRK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SPTEPSSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LPTEPPSSVAEFSEATAELTVSFTNKVFTTETSRSLTTSPXESDSPAGPARQYYTKGNLV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GPKVNGT - FQADEPL - GPATHGGTYRCEGSERDSEYEMSNSSDELLVSVTGNPSNSWE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APYKKPERWYKASFPIITVTAAHSGTYRCYSFSSRDPYLWSAPSDPJELVYTGTSVTPSK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PSDQLELVATOVEAKPSISAOPOPAVSSGODVITOCQTRYGEDQFALYKEGD-----P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LHR--EGKEKDTLHLIGEHHDGVSKANESIGPMMODLÄGTYRCYGSVTHSPYQ---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LEKISSSRYQD---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NSUMVVSNVCVGFFLLQGAWP HEGVHRKESILAHPGFLVKSEETVILQCWSDVRFQHFU
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PSDPLDIVITGLYEKPSISAQPGPTVLAGESVTISCSSRSSYDMYHLSREGEAHERRESA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          341
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                          (Human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ž
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             31.8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      18.13;
30.18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          37886
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   رج
د
د
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Prod. No. 6.5e-17:
6: Mismatches 105;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 323.5;
Pred. No. 6.6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ×
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /FTId=VAR_010317.
C21EAFF80EA9AAB2 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /FTId=VAR_010316.
                                                                                                                                                                                                                                                                                                                                                                                                                       Craniata; Vertebrata; Euteleostomi; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ---QAVLEIFAMKRSLAGRYRC-----SYQNGSLWSL
                                                                                                                                                           cnna
                                                                                                                                          buman
                  Cantoni
zato G., E
                                                                                                                                                         :
:
:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              010317
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            273
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               296
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A.
                                     .0
                                                                                                                                            9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TONPRHOUSE
                                                                                                                                          inhibitory receptors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Lengti
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                    M., Pendo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (MHC class
8) (NKAT-8)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     99;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3358
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              .....
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   223
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             151
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               88
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        211
                                                                                                                                                                                                                                                                                                                         S
                                     8
                                                              8
                                                                                                       S
                                                                                                                                       Ş
                                                                                                                                                                            윉
                                                                                                                                                                                                             Ś
                                                                                                                                                                                                                                                  Query Match
Best Local S
Matches 97
                                                                                                                                                                                                                                                                                                                                                                                      DISULFID
DISULFID
CARBOHYD
CARBCHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DOMAIN
TRANSMEM
                                                                                                                                                                                                                                                                                                                     CARBOHYD
CARBOHYD
SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DOMAIN
DOMAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            EMBL; AF002255; AAB61281.1
HSSP; P43626; INZR.
Genew; HGNC:6336; KIR2DS4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EMBL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GO; GO:3005887; Crintegral to plax GO; GO:6003822; F:MHC interacting Interpr; IPRO33599; Eq. Transport Tra
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Chan H.W., Salter R.D.;
Submitted (MAY-1997) to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CHAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     InterPro; IPR003006; Pfam; PF00047; ig; 2 SMART; SM00409; IG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE FROM N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Receptor:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PROSITE; PS50835; IG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MIM; 604955;
                                                                                                                                                                                                                                                                                                                                                                                                                                                              DOMAIN
                                                                                                                                                                                                                                                                                                                                                                         CARBCHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                U24077; AAC50336.1; AUT_IMIT
L76671; AAB36599.1; -.
X94609; CAA64317.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 X94609; CAA6431/.; -. AF002255; AAB61281.1; -.
                                                                                                           9
                                                                                                                                                                                                                                                    Similarity
97; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Multigene
                                                           DQLELVATGVFAKPSLSAQFGPAVSSGGDVTLQCQTRYGFDQFAJYKEGDPAVYKNP---
                                                                                                                                       TYRLEKLSSSRY------QDQAVLEIPAMKRSLAGRYRC-----SYQNGSLWSLPS
                                        DPLDMVIIGLYEKPSLSAQPGPTVQAGENVTLSCSSRSSYDMYHLSREGEAHERRLPAVR
                                                                                                         LHREGKENNTLHLIGEHHDGVSKÅNFSIGPMYPVLÄGTYRCYGSVPHSPYQ
                                                                                                                                                                                MSLMVIIMACVGFFLLQGAMF-QEGVHRKFSFLALPGHIVKSEETVILQCWSDVXFEHFL
     --ERWYRASFPIITVTAAHSGTYRCYSFSSRD-PYLWSAPSDPLBLVVTGTSVTPSRLPT
                                                                                                                                                                                                                 MSPSPTALFCLGLC1--GRVPACSGPLFKPS1QALFSS1VPLEKPVT1RCQGPPGVD---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Immunoglobulin
                                                                                                                                                                                                                                                                                                                   178
211
304
                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                     14 8 6
14 4 7
                                                                                                                                                                                                                                                                                                               245
265
304
304
207
207
207
198
67
144
1144
1144
3358
3358
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       G_UIKE;
                                                                                                                                                                                                                                                                   17.9%;
35.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ig.
Ig_MHC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        comain;
                                                                                                                                                                                                                                                                                                                         .
3.
                                                                                                                                                                                                                                                    32;
                                                                                                                                                                                                                                                                     Score 320.5;
Pred. No. 9.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2DS4.
                                                                                                                                                                                                                                                      Mismatches .
```

```
This SWISS-PRCT entry is copyright. It is produced through a collable between the Swiss Institute of Bioinformatics and the EMBL outst the Buropean Bioinformatics Institute. There are no restrictions use by non-profit institutions as long as its content is in modified and this statement is not removed. Usage by and for comentities requires a license agreement (See http://www.isb-sib.ch/anor send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                receptors is selectively expressed on a skiller cells and induces both triggering proliferation.":
                                                                                                                                                                                                                                                                                                                                          Submitted (MAY-1997) to the EMBL/GenBank/DDBJ databases.
-!- FINCTION: RECEPTOR ON NATURAL KILLER (NX) CELLS FOR HLA-C A-
DOES NOT INHIBIT THE ACTIVITY OF NX CELLS.
-!- SUBCELLULAR LOCATION: Type I membrane protein.
-!- SIMILARITY: BELONGS TO THE INMUNOSIOBULIN SUPERFAMILY.
-!- SIMILARITY: Contains 2 immunoglobulin-like C2-type domains.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             novel surface molecule homologous to the p58/p50 family of ceptors is selectively expressed on a subset of human natural lier cells and induces both triggering of cell functions and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                26:1816-1824(1996).
                                                          (See http://www.isb-sib.ch/announce/
                                                                                                                                                                                                                                  a collaboration -
MBL outstation -
                                                                                                                                                 9
                                                                                                                                                                                     : ts
```

BY SIMILARITY.
BY SIMILARITY.
N-LINKED (GLONAC...
N-LINKED (GLONAC... FALSE NEG IG-LIKE C2-TYPE 1.
IG-LIKE C2-TYPE 2.
BY SIMILARITY.
BY SIMILARITY. CYTOPLASMIC (POTENTIAL) EXTRACELLULAR POTENTIAL. BY SIMILARITY plasma membrane; Glycoprotein; protein: CELL 4. 5e-IMMUNCGLOBULIN-LIKE DΕ (POTENTIAL) Signal; CRC64; Length ) (POTENTIAL) ) (POTENTIAL) ) (POTENTIAL) ) (POTENTIAL) Transmembrane 304;

Indels

39;

Gaps

---LSAPS

100

59 ប្រ ប្រ

175

끖 Ş

commercial

```
SECTION N.A., AND VARIANT VAL-113.

SECTION OF THE PROPERTY OF THE PROPERTY OF THE SUB-Lymphold;

MEDLINE = 96343861; PubMed = 8760804;

Medde D. Blassoni R., Cantoni C., Verdiani S., Falco M.,

di Donato C., Accame L., Bottino C., Moretta A., Moretta L.;

"The natural killer cell receptor specific for MLA-A allotypes: a rovel member of the p59/p70 family of inhibitory receptors that is characterized by three immunoglobulin-like domains and is expressed a 140-kD disulphide-linked dimer.";

J. Exp. Med. 194:505-518(1996).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE FROM N.A.

TISSUE-Matural killer cells;

MEDLINE-9523526; PubMed-7716543;

Colonna M., Samaridis J.;

"Colonna M., Samaridis J.;

"Coloning of immunoglobulin-superfamily members associated and HLA-B recognition by human natural killer cells.";

Science 268:405-408(1995).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FG12 HCMAN STANDARD; PRT; 455 AA.
P43630; Q1338; Q14947; Q14948; Q92684; Q95367;
01-NOV-1995 (Rel. 32, Created)
01-NOV-1995 (Rel. 32, Last sequence update)
15-SEP-2003 (Rel. 42, Last annotation update)
Killer cell immunoglobulin-like receptor 3DLZ procursor (MHC class I NK cell receptor) (Natural Killer associated transcript 4) (NKAT-4)
(p70 natural Killer cell receptor clone CL-5).
KIR3DL2 OR NKAT4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TISSUB=Peripheral blood lymphocytes;

MEDLINE=96111967; PubMed=8777725;

Wagtmann N., Rajagopalan S., Winter C.C., Peruzzi M., Long
"Killer cell inhibitory receptors specific for HLA-C and H
identified by direct binding and by functional transfer.";
[mmunity 3:801-809(1995).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       HUNAN
                                                                                                                                                      MEDLINE=98090096; PubMed=9410221; Uhrberg M., Vallante M.M., Shum B.P., Shilling H.G., Lienert-Weidenbach K., Corliss B., Tyan D., Lanter L. "Human diversity in killer cell inhibitory receptor g Immunity 7:753-763(1997).
This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way
                                                                                                                                                                                                                                                               MEDLINE 96273004; PubMed=8662091; Dohring C., Samaridis C., Colonna M.; Patternatively spliced forms of human Immunogenetics 44:227-230(1994).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
                                                                                                                                                                                                                                     VARIANTS ALA-40;
                                                                                                                                                                                                                                                                                                                               SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Homo sapiens (Human)
                                                                        FUNCTION: RECEPTOR CN NATURAL KILLER (NK) CELLS FOR HLA-A A MINHISITS THE ACTIVITY OF NK CELLS THUS PREVENTING CELL LYST SUBCELLULAR LOCATION: Type I membrane protein.
SIMILARITY: SELONGS TO THE IMMINOSLOBULIN SUPERFAMILY.
SIMILARITY: Contains 3 immunoglobulin-like C2-type domains.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  233
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FROM N.A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SINGTPOADEPL--GPATHOGTYROFG-SFRUAPYEWSNSSDPLLVSVTGNESNSWESET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  EPSSKIGNPRHUHVLIGTSVVKIPFTILLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              EPPSSVAEFSE ---
                                                                                                                                                                                                                                 VAL-113; ASP-158; HIS-166;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               --ATABLIVSPINKUP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Craniata; Ve
Catarrhini;
                                                                                                                                                                                                                                                                                 KELLOK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Vertebrata; Euteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               239
                                                                                                                                                                                                                                   PRC-228
                                                                                                                                                                                                                                                                               inhibitory receptors.";
                                                                                                                                                                                                                                     AI.D
                                                                                                                                                                       genes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            , Long E.C.
Land HLA-B
                                                                                                                                                                                                                                   THR-252
                                                                                                                                                                                     Parham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ¥1 Eb
                                                                                                                          LYSIS
                                                                                                                                           ALLET
                                                                                                                                           ES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (1
(1)
(2)
                                                                                                                                                                                                                                                                                                                                Ď,
                                       Ś
                                                                      30
                                                                                                     Ş
                                                                                                                                       ü
                                                                                                                                                                0
                                                                                                                                                                                                    D;
                                                                                                                                                                                                                              3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                EMBL, 176665; AAB36593.1; -.

EMBL, 176666; AAB36594.1; -.

EMBL, 176666; AAB3594.1; -.

RESSP, P43626; INKR.

RESSP, P43626; INKR.

R Genew, HGWC:6339; KLR3D12.

R GC; GO:0005887; C:integral to plasma membrane; TAS.

R GC; GO:0003822; F:MHC-interacting protein; TAS.

R GC; GO:000382; F:MHC-interacting protein; TAS.

R GC; GO:0005968; P:cellular defense response; TAS.

R GC; GC:006968; P:cellular defense response; TAS.
                                                                                                                                                                                                                                                                 Matches 105;
                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DOMAIN
TRANSMEM
DOMAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     EMBL;
EMBL;
EMBL;
EMBL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DOMAIN
DISULFID
DISULFID
DISULFID
CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CARBOHYD
CARBOHYD
CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              entitles requires a license agreement (Some send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CHAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Repeat; Multigene
SIGNAL 1
                                                                                                                                                                                                                                                                                                                               SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                          VARIANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                        VARIANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     VARIANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NIAMOC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PROSITE: PS50835; IG_LIKE: FALSE_NEG.
Receptor: Immunoglobulin domain: Glycoprotein:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             modified and this statement is not
                                                                                                                                                                                                                                                                                                                                                                                                                         VARIANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 VARIANT
                                                                                                                                                                                                                                                                                   Loca.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                14:270;
U30272;
                                                 23.1
                                                                                                            103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    X94373;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   X93595;
                                                                                                                                           9
                                                                                                                                                                                                                                                                                 Similarity
             QIHDGVSKANFSIGPLMEVLAGTYRCYGSVPHSPYQLSAPSDE
                                                                                                LELVATGVEAKESLSAQEGEAVSSGGDVTLQCQTRYGEDQFALYKEGDDAPYKNEERWY-
                                                                                                                                         LYKEDRSHVPIFHGRIFQESFIMGPVTFAH----AGTYRC---RGSREHSLTGWSAPSNP
                                                                                                                                                                        LEKLSSSR----
                                                                                                                                                                                                                           MSPSPTALFCLGLCL--GRVPAQSGPLPKFSLQALPSSLVPLEKPVTLRCQGFFGVDLYR
                                                                                                                                                                                                      MSLTVVSMACVGFFILICGAWPLNGGQ-DKPFLSARPSTVVPRGGHVALQCHYRRGEMMEM
                                     -----RASFFIITVTAAHSGTYRCYSFSSRDFYLWSAPSDPLELVVTGTSVTPSRLPT
                                                                              LVIMVTGNHRKPSLLAHPGPLLKSGETVILQCWSDVMFEHFFLHREGIS--
                                                                                                                                                                                                                                                                                                                               5.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               341
341
361
361
237
244
239
239
                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                              252
                                                                                                                                                                                                                                                                                                                                                                                          228
                                                                                                                                                                                                                                                                                                                                                                                                                         166
                                                                                                                                                                                                                                                                                                                                                                                                                                                        158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAA69871.1;
AAB52520.1;
CAA63791.1;
CAA63701.1;
CAA636593.1;
AAB36593.1;
AAB36594.1;
                                                                                                                                                                                                                                                                                                                               A. .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               family; Polymorphism
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 252
                                                                                                                                                                                                                                                                                                                                                                                          228
                                                                                                                                                                                                                                                                                                                                                                                                                          166
                                                                                                                                                                                                                                                                                                                                                                                                                                                        158
                                                                                                                                                                                                                                                                                                                               50230
                                                                                                                                                                                                                                                                                 17.9%;
30.7%;
                                                                                                                                                                       YCDQAVL---FIPAMKRSIAGRYRCSYQNGSL----WSLPSDQ
                                                                                                                                                                                                                                                                                                                                MK.
                                                                                                                                                                                                                                                               44:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 IG-LIKE C2-TYPE 1.
IG-LIKE C2-TYPE 2.
IG-LIKE C2-TYPE 3.
IG-LIKE C2-TYPE 3.
BY SIMILARITY.
BY SIMILARITY.
BY SIMILARITY.
N-LINKED (GLCNAC.
                                                                                                                                                                                                                                                                                 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     BY SIMILARITY. KILLER CELL IMMUNOGLOBULIN-LIKE RECEPTOR
                                                                                                                                                                                                                                                                                                                                               /FTId=VAR_010330
                                                                                                                                                                                                                                                                                                                                                                                                                                   E -> D.
/FTId=VAR_010327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /FTId=VAR_010325
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CYTOPLASMIC (PCTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EXTRACELLULAR
                                                                                                                                                                                                                                                                                                                                                                                                     /FTId=VAR_C10328
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FTId=VAR_C1C326
                                                                                                                                                                                                                                                                                                                                                                        /FTId=VAR_010329
                                                                                                                                                                                                                                                                                                                                2348A6BB6B3C2945
                                                                                                                                                                                                                                                                    Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       <
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             removed
                                                                                                                                                                                                                                                                                 319;
No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (See http://www.isb-sib.ch/announce/
                                                                                                                                                                                                                                                                                   2e-16;
                                                                                                                                                                                                                                                                                                DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (POTENTIAL)
                                                                                                                                                                                                                                                                  127;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ω Ν Ε
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Jsage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Signal;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   . . . .
                                                                                                                                                                                                                                                                                                                                CRC64;
                                                                                                                                                                                                                                                                                                Length 455;
                                                                                                                                                                                                                                                                    1ndels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (POTENTIAL)
(POTENTIAL)
(POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             'n,
                     LDIVITGLYEKPS-LSA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Transmembrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           and
                                                                                                                                                                                                                                                                    رن
پر
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               101
                                                                                EDPSRIVG
```

Gaps

59

102

2:4

697

```
RESULT 12
         8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CHAIN
DOMAIN
TRANSMEM
DOMAIN
DOMAIN
DOMAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SECUENCE FROM N.A. (ISOFORMS GR4931 AND GR4932).

STRAINSC3H, and HALB/6; TISSUE-Bone marrow/
MEDINE-94119223; Prinked-94132584;

"Cloning of the gr493 gene of the immunog-could superfamily and demonstration that one of its two products is an early-expressed demonstration that one of its two products is an early-expressed cell surface protein originally described as gr49."/

C. Biol Chem. 269:8393-8401(1994).

"TERROTION: MAY PLAY A ROLE IN CELL-CELL OR CELL-CYTOKINE TOWN TOWN DURING THE DEVELOPMENT OF MAST CELLS FROM MULTIT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOUSE
                                                                                                                                                                        HSSP; P43626; IMKR.
MGD; MGI:102701; Gp49b.
InterPro; IPR007110; Ig-like.
InterPro; IPR003006; Ig_MHC.
                                                                                                                                                                                                                                                                                                                                     This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL curstation the Bwopsean Bloomformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/creend an email to license@isb-sib.ch).
                                                                                                                      Signal; Tra
Alternative
                                                                                                                                                                                                                                   PIR; A53434; A53434.
PIR; B53434; B53434.
                                                                                                                                                                                                                                                                  EMBL; U05266; AAA17799.1; --
EMBL; U05265; AAA17797.1; --
EMBL; U05266; AAA17798.1; --
EMBL; U05264; AAA17796.1; --
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
                                                                                                          SIGNAL
                                                                                                                                                    PROSITE;
                                                                                                                                                                    Pfam; PF00047;
                                                                                                                                                                                                                                                                                                                                                                                                                                                       IsoId=Q64281-2; Sec-!- SIMILARITY: Contains
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SUBCELLULAR LOCATION: Type I membrane ALTERNATIVE PRODUCTS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Name=GP49B2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Name=GF49B1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Event-Alternative splicing; Named isoforms=2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PROGENITORS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   IsoId=264281-1;
                                                                                                                F30047; ig; 2.
; PS50835; IG_LIKE; i.
Transmombrane; Glycoprotein; Immunoglobulin domain;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               YTKGNLVRICLGAV-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OPGPTVQAGENVTLSCSSWSSYDIYHISREGEAHERRIRAVPKVNRTFQADFPLGPA---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EPPSSVAERSEATAELTVSFTNKVFTTET----SRSITTSPK----ESDSPAGPARCY
ve splicing.
24 238
29 235
29 235
29 286
29 286
29 395
29 395
29 996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                -THOGTYR-CFGSFRALPCVWSNSSDPLLVSVTGNPSSSWPS 325
                                                                                                                                                                                                                                                                                                                                                                                                                                           ; Bequence: VSF 002510; VSF 002511; ains 2 immunoglobulin-like C2-type domains.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence=Displayed;
                                             BY SIMILARITY.

MAST CELL SURFACE GLYCOPRO'

EXTRACELLULAR (POTENTIAL).

POTENTIAL.

CYTOPLASMIC (FOTENTIAL).
      IG-LIKE C2-TYPE 1
IG-LIKE C2-TYPE 2
POTENTIAL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            --ILIILAGFLAEDWES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          protein
                                                                                         SIMCOPROTEIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            293
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FROM MULTIPOTENT
                                                                                                                                    Repeat;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     264
       S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ph
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ď,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              # # # # # # #
# # # # # # #
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local S
Matches 84
                                                                                                                                                                          SEQUENCE FROM N.A.

DOENTINE 96270004; PubMed=8662091;

DOES MOT INHIBIT THE ACTIVITY OF NK CELLS.

SUBCELLULAR LOCATION: Type 1 membrane protein.

SUBCELLULAR LOCATION: Type 2 membrane protein.

SUBCELLULAR TY: BELONGS TO THE MYUNOGLOBULIN SUPERFAMILY.

SIMILARITY: Contains 2 immunoglobulin-like C2-type domains.
                                                                                                                                                                                                                                                                                                                                                                                                                  CI-NOV-1997 (Rel. 35, Created)
01-NOV-1997 (Rel. 35, Last sequence update)
15-SSP-2003 (Rel. 42, Last annotation update)
Killer cell immunoglobulin-like receptor 2055
MK cell receptor) (Natural killer associated them cells
                                                                                                                                                                                                                                                                                                                                                                                                                                      Q14953;
01-NOV-1997
01-MOV-1997
15-SEP-2003
Killer cell
MK cell rece
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CISULFID
CARBOHYD
CARBCHYD
VARSPLIC
    Genew; HGNC:6337; KIR2DS5
MIM; 604956; -.
GO; GO:0005887; C:integral
                                                                                     This SWISS-PROT entry is copyright. It is produced through a collab between the Swiss Institute of Bioinformatics and the EXEL outst the European Bioinformatics Institute. There are no restrictions use by non-profit institutions as long as its content is in modified and this statement is not removed. Usage by and for comentatives requires a license agreement (See http://www.isb-stb.ch/anor send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            VARSPLIC
                                                                                                                                                                                                                                                                                                                                                                               Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              K2S5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE
                                               EMBL: L76672; AAR36600.1;
HSSP; P43626; 1NKR.
                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens (Human).
                                                                                                                                                                                                                                                                                                                                                               NCBI_TaxID=9606
   GC:0005887; C:integral to plasma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HUMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8
12
13
13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    241 IGVIVSF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        897
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   126
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1:6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        66 VNPWDTQVPLETRNKAKENIPSMTTSYAGIYKCYYESAAGFSEHSDAMELVMTGAYENPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (h
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (f)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          64.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ď١
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TALFCLGLCU-GRVPACSGRUPKPSLQALPSSLVFLEXCVGPPGVDVARLEXLSS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AELTVSF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DAVTPNHNGTFROYGYERNEFQVWEKPSNSLDLMISETK-DOSSTPTE--DGLETYQKIL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ITVTAAHSGTYRCYSESSRDPYLWSAPSDPLELVVTGTSVTPSRLPTEPPSSVABFSBAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LSVYPSSNVTSGVSISESCSSSIVFGREILIQEGKHGLSWTLDSQHQANQESY--ATEVL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LSACPGPAVSSGGDVTLQCCTRYGFDCFALYKEG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SRYQD------QAVLFIPAMKRSLAGRYRCSYQNGSLWSLPSDQLELVATGVFAKFS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TVLLYLGLILEPRTAVQAGHLPKPIIWAEPGSVIAAYTSVITWCQGSWEAQYYHLYKEKS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3 E E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         144
133
191
232
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SIANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               234
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              271
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      196
133
191
232
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 37544
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     17.8%;
34.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Œ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           POTENTIAL:

N-LINKED (GLONAC: ...) (POTENTIAL).

N-LINKED (GLONAC: ...) (POTENTIAL).

G -> D (in isoform GP49B2).

/FIIdeVsp 002510.

Missing (in isoform GP49B2).

/FIIdeVsp 002511.

Missing (in isoform GP49B2).

/FIIdeVsp 002511.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          36.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 317.5; DB 1
Pred. No. 1.8e-16;
                                                                                                                                                                                                                                                                                                                                                                               Craniata; Vertebrata; Euteleostomi; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
      membrane; NAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             304
                                                                                                                                                                                                                                                                                            killer inhibitory receptors.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ŗ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          104;
                                                                                                                                                                                                                                                                                                                                                                                                                                      transcript
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DEASYKNESEWYRASEPT
                                                                                                        by and for commercial
www.isb-sib.ch/announce.
                                                                                                                                                                                                                                                                                                                                                                                                                                        3) (A
CHW)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       :2
:3
:
                                                                                                                                                                             a collaboration
                                                                                                                                                                 outstation
                                                                                                                                                                                                                                                                  ALLELES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                 9
                                                                                                                                    no
```

way

167

183

ch UI

```
RESULT CASS HAND BE RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              망
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           gC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ä
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local &
Matches 80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GC) GO:0030110; F:HLA-GO; GO:0006955; F:Immu InterPo; IPR00359; IInterPo; IPR00359; IInterPo; IPR003006; IPR0030006; IPR003006; IPR003006; IPR003006; IPR003006; IPR003006; IPR0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TRANSKEM
DOMAIN
DOMAIN
DOMAIN
DOMAIN
DISULFID
CARBOHYD
CARBOHYD
CARBOHYD
CARBOHYD
CARBOHYD
CARBOHYD
SECUENCE
                                                                                                                                                                                                                                                                                     7283 HUMAN STANDARD; PRT; 304 AA. 014952; 000644; 01-NOV-1997 [Rel. 35, Created] 01-NOV-1997 [Rel. 35, Last sequence update] 15-SEP-2003 [Rel. 42, Last sequence update] KILLER cell immunoglobulin-like receptor 2DS3 MK cell receptor) (Natural killer associated talking or NKAT7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LT 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Repeat; Multigene
SIGNAL 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PROSITE; P$50835; IG_LIKE; FALSE
Receptor: Immunoglobulin domain;
Receptor Multipene family: By SIGNA; 21 By S
                                                                                 SEQUENCE FROM N.A.
MEDILINE=96270004; PubMed=8662091;
Doebting C. Sameridis J., Colonn.
"Alternatively spliced forms of h
                                                                                                                                                                                                                    Eukaryota; Metazoa; Chordata; Oraniata; Ve
Mammalia; Eutheria; Primates; Catarrhini;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DOMAIN
                                                                                                                                                                                               NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                  Homo sapiens (Human)
  SEQUENCE FROM N.A
TISSUE=Lymphoid;
                                                              Doebring C., Samaridis J., Colonna M., "Alternatively spliced forms of human Immunogenetics 44:227-230(1996).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       244
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             පස
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SESITTSPKESDSPAGPARQYYTKGNLVRICLGAVIL ---IILAGFLAEDWHSREK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SSROPYLWSAPSOPLELVVTSTSVTPSRLPTPPSSVAEFSRATAELTVSFTNKVFTTET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SVTLSCSSRSSYDMYHLSREGEAHERRIPAGPKVMRTFQADSPLDPAT--HGGAYRCFGS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CYTLOCOTRYGEDOFALYKEGDFAPYKNF----ERWYRASEFIITVTAAHSGTYRCYSF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         KPSLQALPSSLVPLEKPVTLRCCGPPGVDLYRLEKLSSSRYQDCAV------LFI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FROSPYEMSKSSDPLLVSVTGNSSMSWPSPTEPSSE-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GRMTQDLAGTYRCYGSVTHSPYQ----LSAPSDPLDIVITGLYEKPSLPAQFGPTVLAGE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PAYKRSLAGRYRC-----SYQNGSLWSLPSDQLELVATGVFAKPSLSAQPGPAVSSGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 KESILAHPGPLVKSEETVILQCWSDVMFEHFILHREGIFNHTLRLIGEHIDGVSKGNFSI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         149
649
178
223
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             --TGNPRH----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2245
2246
2264
42
207
12
205
9
100
67
67
12
100
67
100
67
100
67
100
67
100
67
100
67
100
67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 246
246
265
142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     F:HLA-C specific inhibitory MHC class I recept of Primmune response; NAS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3 C 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           : Ig_MEC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               29.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    17.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       34;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FALSE_NEG.
omain; Glycoprotein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EXTRACELLUTAR (POTENTIAL).

POTENTIAL (POTENTIAL).

CYTOPLASHIC (POTENTIAL).

IG-LIKE C2-TYPE 1.

IG-LIKE C2-TYPE 2.

BY SIMILARITY.

BY SIMILARITY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   N-LINKED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 307; DB 1;
Pred. No. 9.4e-16;
4; Mismatches 97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             N-LINKED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   KILLER CELL IMMUNOGLOBULIN-LIKE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             BY SIMILARITY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FOBD73BFA3DE35DB CRC64;
                                                                                                 .
Ж
Ж
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LHVLIGTSVVKLPFTILLFFILHRWCSNKK 273
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                killer
                                                                                                                                                                                                                                                Vertebrata; Euteleoscomi;
                                                                                                                                                                                                                        Hominidae;
                                                                                                                                                                                                                                                                                                            precursor
transcript
                                                                                      inhibitory
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     signal;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (POTENTIAL)
(POTENTIAL)
(POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    304;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Transmembrane,
                                                                                                                                                                                                                                                                                                               (MEC class
7) (NKAT-7)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          78
;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   183
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             143
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 8.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (3)
  RESULT 15
G49A_MCUSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              S
                                                                                                                           Ş
                                                                                                                                                                            S,
                                                                                                                                                                                                               Ϋ́
                                                                                                                                                                                                                                                                     Ç,
                                                                                                                                                                                                                                                                                                        Ş
                                                                                                                                                                                                                                                                                                                                                           <u>5</u>
                                                                                                                                                                                                                                                                                                                                                                                              Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                             문
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local S
Matches 87
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DISULFID
DISULFID
CARBOHYD
CARBOHYD
CARBOHYD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DOMAIN
TRANSMEM
DOMAIN
DOMAIN
DOMAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MIX;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EMBL; X97231;
HSSP; P43626;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CHAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 604954;
                                                                                                                                                                              174
                                                                                                                                                                                                                                                                       114
                                                                                        230
                                                                                                                                2:2
                                                                                                                                                                                                                        152
                                                                                                                                                                                                                                                                                                                 φ
w
                                                                                                                                                                                                                                                                                                                                                             က္
                                                                                                                                                                                                                                                                                                                                                                                                       ů;
```

```
the European Bicinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entitles requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Biassoni R.;
Submitted (Apr.1996) to the EMBL/GenBank/DDBJ darabases.
-!- FUNCTION: RECEPTOR ON NATURAL KILLER (NK) CELLS FOR HIA C A
-!- SUBCELLULAR LOCATION: Type I membrane protein.
-!- SUBCELLULAR LOCATION: Type I membrane protein.
-!- SIMILARITY: BELONGS TO THE IMMUNOGLOBULIN SUPERFAMILY.
-!- SIMILARITY: Contains 2 immunoglobulin-like C2-type domains.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GO; GO:0005887; C:integral to plasma membrane GO; GO:000382; F:MEC-integrating protein; Ty GO; GO:0005968; P:cellular defense response; Interpro; IPR003599; Ig. Interpro; IPR003599; Ig. Interpro; IPR003599; Ig. MEC. Pfam; PFC047; ig; 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HSSP; P43626; 1NKR.
Genew; HGNC:6335; KIR2DS3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            EMBL; L76670; AAB36598.1; -. EMBL; X97231; CAA65870.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Repeat; Multigene
SIGNAL :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PROSITE; PS50835; IG_LIKE; FALSE_NEG.
Receptor; Immunoglobulin domain; Glycoprotein; Signal;
                                                                                                                                                                                                                                                                                                                                                                                                                                      87; Conserv
SPTEPSS
                                             Sadalar
                                                                                                                     APYKNPERWYRASFPIJTVTAAHSGTYRCYSFSSRDPYLWSAPSDPLELVVTGISVTFSR
                                                                                                                                                                                                            PSDQLELVATGVFAKPSLSAQPGPAVSSGGDVTLCCCTRYGSDQFALYKEGD------P
                                                                                                                                                                                                                                                                  LHR--EGTENDTLRLIGEHIDGVSKANFSIGRMRQDLAGTYRCYGSVPHSPYQ----FSA
                                                                                                                                                                                                                                                                                                                                                  MSLMVISMACVGFFWLQGANP-HEGFRRKPSLLAHPGRLVKSEETVILQCMSDVMFEHFL
                                                                                                                                                                                                                                                                                                                                                                                          WSESPTALFCLGL - CLGRVPAQSGPLFKFSLQALPSSLVFLEKPVTLRCQGPFGVDLYR
                                                                                                                                                                            PSDPLDIVITGLYEKPSLSAQPGPTVLAGESVTLSCSSWSSYDMYHLSTEGEAHERRFSA
                                                                                        GPKVNGT---FQADFPL--GPATQGGTYRCFGSFHDSPYEWSKSSDFLLVSVTGNPSNSWP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            304 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      22
246
265
42
142
                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              67
84
178
                                             218
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              family.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2045
3044
3044
107
205
205
1198
1784
178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21
304
                                                                                                                                                                                                                                                                                                                                                                                                                                                     16.7%;
35.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            33717
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Z
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            IG-LIKE C2-TYPE 1.

IG-LIKE C2-TYPE 2.

BY SIMILARITY.

BY SIMILARITY.

N-LINKED (GUCNAC. ..) (POTENTIAL).

N-LINKED (GUCNAC. ..) (POTENTIAL).

N-LINKED (GUCNAC. ..) (POTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                                                                                        27;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 299; DB 1;
Pred. No. 3.7e-15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EXTRACELLULAR (PCTSNTIAL).
POTENTIAL.
CYTCPLASMIC (PCTENTIAL).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2DS3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   BY SIMILARITY.
KILLER CELL IMMUNOGLOBULIN-LIKE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      plasma membrane,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            80693F79844F9E7E
                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
                                                                                                                                                                                                                                                                                                -QAVLEIPAMKRSLAGRYEC------SYQNGSLWSL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TAS
                                                                                                                                                                                                                                                                                                                                                                                                                                          93;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 304;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Transmembrane;
                                                                                                                                                                                                                                                                                                                                                                                                                                          40;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RECEPTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ALLIEUES
                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                ر
در
در
                                                                                                                                                                                                                                                                                                             ထ
                                                                                                                                                                                                                                                                                                                                                      υ
VD
                                                                                                                                   211
                                                                                                                                                                                                                         151
```

```
8
                                                                                                                         Ş
                                                                                                                                                                               Ş
                                                                                                                                                                                                                                                                   2
                                           5
                                                                                                  ü
                                                                                                                                                        片
                                                                                                                                                                                                            Query Match
Best Local S
Matches 81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STRAIN=BALB/G; TISSUS=Bone marrow;

MEDLINS=9:340742; PubMed=1714901;

Arm J.P., Gurish M.F., Reynolds D.S., Scott H.C., Gartner C.S.,

Arm J.P., Gurish M.F., Reynolds D.S., Scott H.C., Gartner C.S.,

Aussen K.F., Kalz H.R.;

"Molecular cloning of gp49, a cell-surface antigen that is

preferentially expressed by mouse mast cell progenitors and is

member of the immunoglobulin superfamily.";

J. Biol. Chem. 266:15966-15973(1991).

-I- FUNCTION: MAY PLAY A ROLL IN CEPT.-CELL OR CELL-CYTOKINE

INTERACTIONS DURING THE DEVELOPMENT OF MAST CHILS.

-I- SUBCELLULAR LOCATION: Type I membrano procesin.

-I- SUBCELLULAR LOCATION: Type I membrano procesin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            This SWISS-FROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL duceration the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not reroyed. That are not in an incomparable to its requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                DCMAIN
DISULFID
DISULFID
CARBOHYD
CARBOHYD
CARBOHYD
                                                                                                                                                                                                                                                                                                                                                               DCMAIN
TRANSMEM
DOMAIN
DOMAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                    Signal;
SIGNAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         G49A_MOUSE STANDARD; PRT; 303 AA. 061450; 01-NOV-1997 (Rel. 35, Created) 01-NOV-1997 (Rel. 35, Last sequence update) 15-SEP-2003 (Rel. 42, Last annotation update) Mast_cell surface glycoprotein GP49A precursor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           MGD; MGI:102702; Gp49a.
InterPro; IFR007110; Ig:11ko.
PROSITE; PS50835; IG_11KE; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EMBL; M65027; AAA37479.1; -. PIR; A40807; A40807.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Eukaryota; Metazoa; Chordata; Mammalia; Eutheria; Rodentia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GP49A OR GP49.
Mus musculus (Mouse)
                                                                                                                                                                                                                                                                   SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                        CHAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE FROM N.A.,
165 FPITTVTAAM:SGTYRCYSFSSRDPYLMSAFSDPLELVJTGTSVTPSRLPTBPPSSVAEFS
                                           126 LSVYPSGNVTSGVSISEKCSSSTLEGREILIQEG-----KHGLSWTLDSGHQANQPTHAT
                                                                        116
                                                                                                   g)
                                                                                                                               O)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        P43626; 1NKR
                                                                                                                                                                                  ð
                                                                                                                                                                                                            l Similarity
81; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                               Transmembrane; Glycoprotein; Immunoglobulin domain; Repeat
                                                                     LSAQPGPAVSSGGDVTLQCQTRYGFDQFALYKEGDPAPYKMPERW-
                                                                                                 VNEWDTEVPLEMRNKTKFKTREMCASYAGIYNCYYKSAAGESEHSDAMELVMTGAYENPS
                                                                                                                              SRYCDCAV----
                                                                                                                                                                               TWIECTGTCIT GEABYOSGETEXESTOPTESSTAFTEXEALTECOGEEGADTARTENTS
                                                                                                                                                      TVLLYLALILEPRTAVQAGHLEKPIIWAEPGSVIAAYTSVIIWCWGSWEAQYYYLDKEKS
                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                      32.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AND SEQUENCE
                                                                                                                            ----LFIPAMKRSLAGRYRCSYCNGSLWSLPSDCLELVATGVFAKES
                                                                                                                                                                                                            დ
ე
•
                                                                                                                                                                                                                                                              POTENTIAL.

POTENTIAL.

POTENTIAL.

N-LINKED (GLCNAC. ...) (POTENTIAL)

N-LINKED (GLCNAC. ...) (POTENTIAL)

N-LINKED (GLCNAC. ...) (POTENTIAL)

N-LINKED (GLCNAC. ...) (POTENTIAL)
                                                                                                                                                                                                                                                                                                                                                EXTRACELLULAR (POTENFIAL).
ROTENTIAL.
CYTOPLASMIC (POTENTIAL).
IG-LIKE C2-TYPE 1.
IG-LIKE C2-TYPE 2.
                                                                                                                                                                                                          Score 289.5; DE 1;
Pred. No. 1.8e-14;
5; Mismatches 105;
                                                                                                                                                                                                                                                                                                                                                                                                                       MAST CELL SURFACE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Craniata; Veri
Sciurognathi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Vertebrata; Euteleostomi;
thi; Muridae; Murinae; Mus
                                                                                                                                                                                                                                                                                                                                                                                                                     GLYCOPROTEIN
                                                                                                                                                                                                             Indels
                                                                                                                                                                                                                                      Length 303;
                                                                                                                                                                                                                                                                             (POTENTIAL)
(POTENTIAL)
                                                                                                                                                                                                            29;
                                                                        SARY-----
                                                                                                                                                                                                                                                                                                                                                                                                                    GF49A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1.
33
43
                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New.
                                            180
                                                                                                 125
                 224
                                                                      164
                                                                                                                                                        an
Un
                                                                                                                                                                                                            σ,
```

```
Db 181 FVLDAVAPNHNGTFRCYGFFRNEPQV#SKPSNSLDLMISETK-EQSCTPTE--DGLETYQ 237
Oy 225 EATAELIVSF 234
i | | | |
Db 238 KILIGVLVSF 247

Search completed: October 23, 2003, 09:42:13
Job time : 27 secs
```

```
Minimum DB seq length: 0
Maximum DB seq length: 2000000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Database
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Post-processing: Minimum Match 0%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           protein -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           protein scarch,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query
Match Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BLOSUM62
Gapop 10.0 ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-503-387-3
1786
1 MSPSPTALFCLGLCLGRVPA...
            830525 seqs, 258052604 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SPTREMBL_23:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        sp_mhc:*
sp_organelle:*
sp_organelle:*
sp_olant:*
sp_virus:*
sp_vrechastified:*
sp_rvctus:*
sp_rvctus:*
sp_rvctus:*
sp_rvctus:*
sp_rvctus:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Copyright
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           sp_invertebrate:*
sp_mammal:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      sp_archea:*
sp_bacteria:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       human: *
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2003,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GenCore version 5.1.6
(c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ü
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       using sw model
      Q9HCN7
Q9HCN7
Q9HCN7
Q9HCN6
Q9HCN6
Q9HHL6
Q9HHL5
Q9HHL5
Q9HHL5
Q9HG23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               09:36:24 ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             / Search time 97 Seconds (without alignments) 901.854 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ...KSHGGQDGGRQDVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      830525
Q9uif2 homo sapien Q9hcm/homo sapien Q9hcm/homo sapien Q8hcm/homo sapien Q8hcm/homo sapien Q8hcm/homo sapien Q8hcm/homo sapien Q8hcm/homo sapien Q75018 homo sapien Q8m/z2 pan trogled Q75018 homo sapien Q75018 homo sapien Q75018 homo sapien Q75018 homo sapien Q75014 mus musculu Q8m/z5 pan troglod
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 1
COUIF2
ID COUI
                                                                                                                                                                      x PubMed=11027634;

A Edumi Y., Cchiyana T., Takayama H.;

Esumi Y., Cchiyana T., Takayama H.;

"Molecular cloning, genomic structure, chromosomal localization of the platelet collagen receptor alternative splice forms of the platelet collagen receptor glycoprotein VI.";

glycoprotein VI.";

Blochem. Blophys. Res. Commun. 277:27-36(2000).

ENDOCHEM. Blophys. Res. Commun. 277:27-36(2000).

ENDL; ABOS0073; PAA89953.1; -.

REMBL; ABOS0073; PAA89953.1; -.

REMBL; ABOS0073; PABS12245.1; -.

REMBL; ABOS0073; PABS1224
         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              C9UIF2 PRELIMINARY; PRT; 339 AA.

Q9UIF2;

Q1-MAY-2000 (TrEMBLrel. 13, Created)

C1-MAY-2000 (TrEMBLrel. 13, Last sequence update)

C1-MAY-2003 (TrEMBLrel. 23, Last annotation update)

Platelet glycoprotein VI precursor (Platelet glycoprotein VI-1).
                                                              CHAIN
SEQUENCE
                                                                                                                          Signal.
SigNAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Miura Y.; "Platelet glycoprotein VI."; Submitted (NOV-1999) to the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Home sapiens (Human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3
                                                                                           20
339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       36923 MW;
            I00.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       075012
08VIZB
08VIZB
08VIZB
08VIZB
08VIZB
08VIZB
08VIZB
08VIZB
075019
075020
075019
08VIZB
08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             EMBL/GenBank/DDBJ
                                                                                           POTENTIAL.
      Score 1786;
                                                                 4237576E95E030CC CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             chromosomal localization,
            ΕB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           015471
075022
076022
076022
076022
076022
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
07602
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Q85423
075017
Q85557
075523
075623
075624
Q88527
Q88527
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ဍ၉၈၈၅ ခ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          macaca mula
macaca mula
pan troplod
homo sapien
homo sapien
macaca faso
homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 pan troglod
pan tr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    macaca mula
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CMOC
```

222 300

```
RESULT TO BE SEEN ABOUT TO BE SEEN ABOUT
                                                                                     8
                                                                                                                        Ş
                                                                                                                                                                                         S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          G,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ş
                                           Š
                                                                                                                                                          Я
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ŗ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ď,
                     밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           片
                                                                                                                                                                                                                            Query Match
Best Local S
Matches 321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Cyrcury,
C9HCN7,
C9HCN7,
C1-MAR-2001 (TYEMBLYEL...
C1-MAR-2003 (TYEMBLYEL...
Thelet glycoprotein V
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Rest loc
                                                                                                                                                                                                                                                                                             interPro; IPR003599; Ig.
InterPro; IPR003006; Ig.MHC
Pfam; PF00547; Ig. 2.
SMART; SMC0409; IG; 2.
SEQUENCE 321 AA; 35159 M
                                                                                                                                                                                                                                                                                                                                                                                                                MEDIINE#20483673; PubMed+11027674;
Ezumi Y., Uchiyama T., Takayama H.;
"Molecular cloning, genomic structure, chromosomal localization.
"Attendative splice forms of the platelet collagon receptor
glycoprotein VI.";
Blochem. Biophys. Ros. Commun. 277:27-36(2000).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
MCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                 Biochem Biophys R
EMBL; AB043820; BAB
HSSP; P43626; INKR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   09HCN7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SECUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       hes 339;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  6.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ω
()
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            181
                                                                                                                                                                                                                              321;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             181
                  121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                12:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  σ,
                                                                                                                        6,
                                                                                                                                                                                           ם
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .
                                                                                                                                                                                                                                              Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Similarity
                GPAVSSGGDVIIQCQTRYGFDQFALYKEGDDAYYKNFRYKASFPIITVIAHSGTYRC
                                      KLSSRYQDQAVJFIPAMKRSLAGRYRCSYQNSSLWSLPSDQLELVATGVPAKPSLSAQP
                                                                                                                                                        WSPSPTALFCLGLCLGRVPAQSGPLPXPSLQALPSSLVPLEKPVTLRCQGPPGVDLYRLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RGRAYORFLEPLEPLECTRKSHGGQDGGRQDYHSFGLCS 339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        KLSSSRYÇDQAVLFTFAMKRSLAGRYRCSYQNGSLWSLPSDQLELVATGVFAKPSLSAQF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TETSRSITTSEKBSDSPAGPARQYYTKGNIVRICLGAVILIIIAGFLAEDNHSRRKSLRH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 KLSSSRYCDQAVLFIPAMKRSLAGRYRCSYQNGSLWSLPSDQLELVATGVFAKPSLSAQP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MSPSPTALFCLGLCLGRVPAQSGPLPKPSLQALPSSLVPLEKPVTLRCQGPPGVDLYRLB
                                                                                   KLSSSRYQDQAVLETEAMKRSLAGRYRCSYQNGSLWSLPSDQLELVATGVFAKPSLSAQP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RGRAVQRELEPTIPPLECTRKSHGGQDGGRCDVHSRGTCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TETSRSITTSPKESDSPAGPARQYYTKGNLVRICLGAVILIILAGFLAEDWESRRKKLRE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 (TrEMSLrel, 16, 0
1 (TrEMSLrel, 16, L
3 (TrENSLrel, 23, L
1ycoprotein VI 2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                 BAB12246.1;
                                                                                                                                                                                                                                                                                           2.
35158 MW;
                                                                                                                                                                                                                                          93.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Oreated)
Last sequence update:
Last annotation updat
                                                                                                                                                                                                                            Score 1676; D
Pred. No. 8.4e
0; Mismatches
                                                                                                                                                                                                                            :
:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Pred. No. 2.8e-146;
                                                                                                                                                                                                                                                                                                 93FBF98945958345 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (A)
                                                                                                                                                                                                                                          DB 4;
3.4e-137;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              update)
                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         339
                                                                                                                                                                                                                            indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                              321;
                                                                                                                                                                                                                            8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ;;
                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                        60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    60
                                                  0.80
                                                                                     120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0
RESULT
Q8NHJ6
ID Q8
AC Q8
DT 01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT
COHONG
                                                                                                                                                 Ş
                                                                                                                                                                                       ß.
                                                                                                                                                                                                                        Ş
                                                                                                                                                                                                                                                            Сb
                                                                                                                                                                                                                                                                                          8
                                                                                                                                                                                                                                                                                                                              g
                                                                                                                                                                                                                                                                                                                                                                                                 밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              p,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ş
                                                                                                                                                                                                                                                                                                                                                           Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  EDUTYSHOUGH 1027634;

EDUTY V. UCRIYAMA T. Takayama H.;

Molecular cloning genomic structure, chromosomal loc
alternative splice forms of the platelet collagen rece
glycoprotein VI.";

Blochem. Biophys. Res. Commun. 277:27-36(2000).

MNRI, AB043821; EBB12247.1; ...

HASP, 949626; INER.

Genew, HONCIA1388; GP6.

Interpro; IPR003006; Ig_MHC.

R Interpro; IRR003006; Ig_MHC.

R FLOOSTO: JRR003006; Ig_MHC.

SCART; SM03409; IG: 2.

SCART; SM03409; IG: 2.

SCART; SM03409; IG: 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Q9HCN6 PRELIMINARY; PRT; 620 AA. 09HCN6; C1-MAR-2001 (TrEMBLrel. 16, Created) 51-MAR-2001 (TrEMBLrel. 16, Last sequence up 51-MAR-2003 (TrEMBLrel. 23, Last annotation Platelet glycoprotein VI-3.
Q8NHJ6;
01-0CT-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens (Humar).
Eukoryota, Metazoa, Chordata, Craniata, Vertobrata, Eutolo
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NCBI_TaxID=9606;
                                  9FHN8Č
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local (
259)
                                                                 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ų
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    223
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   24:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       181
                                                                                                                      241
                                                                                                                                                       241
                                                                                                                                                                                         181
                                                                                                                                                                                                                            181
                                                                                                                                                                                                                                                              12:
                                                                                                                                                                                                                                                                                               121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                283
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      181
                                                                                                                                                                                                                                                                                                                            61 KLSSSRYQDQAVLETEAMKRSLAGRYRCSYQNGSLMSLPSDQLELVATGVEAKPSLSAQP
                                                                                                                                                                                                                                                                                                                                                                 61
                                                                                                                                                                                                                                                                                                                                                                                               Similarity
                                                                                                                                                                                                                                                                                  GPAVSSGGDVTLQCQTRYGFDQFALYKEGDPAPYKNPERWYRASFPIITVTAA::SGTYRC
                                                                                                                      TETSRSITTSPKESDSPAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TETSRSITTSPKESDSPAGPARQYYTKGNUVRICUGAVILILLAGFLAEDWHSRRKRURH
                                                                                                                                                                                         YSESSROPYLWSAPSOPLELVVTGTSVTPSRLPTEPPSSVAEESEATAELTVSETNKVET
                                                                                                                                                                                                             YSFSSRDPYLMSAPSDPLELVVTGTSVTPSRLFTEPPSSVAEESEATAELTVSFTNKVFT
                                                                                                                                                                                                                                                              GPÄVSSGGDVTLQCQTRYGFDQFÄLYKEGDPÄPYKNPERWYRASFPIITVTAAHSGTYRC
                                                                                                                                                                                                                                                                                                                                                    KLSSSRYQDAQATFIPAMKRSLAGRYRQSYQNGSLASLPSDQLELVATGVFAKPSLSAQP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RGRAVORPLPPLPPLPQTRKSHGGODGGRODVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RGRAVQRELPPLPELPQTRKSHGGQDGGRQDVHSRGLCS 339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       YSFSSRDPYLWSAPSDPLELVVT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               YSFSSRDPYLWSAPSDPLELVVTGTSVTPSRLPTEPPSSVAEFSEATAELTVSFTNKVFT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
 (TrEMSLrel.
                                  PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     15.9%;
 22,
Created
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ..
..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 1355; DB 4:
Pred. No. 1.2e-10:
                                                                                                                                                       259
                                                                                                                        259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FEBE64055F679615 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
                                  447
                                  ⋛
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         update;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sengt h
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EFSEATABLIVSFINKVFT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  localization,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Euteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         620;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
```

120

တိ

```
RESCUENT AND NAME OF THE COLOR 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               В
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                h
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local S
Matches 133
SECUENCE
TISSUSHERAID;
Strausberg R.;
Strausberg R.;
Submitted (APR-2002) to the SM
Submitted (APR-2002) to the SM
EMBL: BC028309; AM268391; -
ThterPro; IPR003306; Ig_MHC.
                                                                                                                                                                                                                                                                                                          QeNIC7;
01-OCT-2002 (TrEMBLrel. 22, Created)
01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
01-MAR-2003 (TrEMBLrel. 23, Last annotation update)
01-MAR-2003 (TrEMBLrel. 23, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Canavez F. Submitted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Pfam; PF
Receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Submitted (CUL-2000) to the EMBL; AF283988; AAL36992.1; InterPro; IFRC03006; Ig_MHC. Pfam; PF00047; ig; 2.
                                                                                                                                                                                                        NCBI_TaxID=
                                                                                                                                                                                                                                                                                domains), member 4. Homo sapiens (Human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Bukaryota; Metazoa;
Mammalia; Euthoria;
                                                                                                                                                                                                                                     Mammalia, Euthoria,
                                                                                                                                                                                                                                                          Eukaryota; Metazoa;
                                                                                                                                                                                                                                                                                                                                                                                                                                                Q8N1C7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SECUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens (Human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LILRES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    01-0CT-2002
01-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Leukocyte immunoglobulin-like
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ហ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         27:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              323
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         331
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               230
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            22.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ۱.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MSPSPTALFCLGLCLG-RVPAQSGPLPKPSLQALPSSLVPLEKPVTLRCQGPPGVDLYRL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LUSTILLELLUQHWRQGKHRTLAQRQADFQRPFGAAEPEP-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MIPTITALECTGLSLGPRTHMQAGPLPKPTLWAEPGSVISWGNSVTIWCOGTLEAREYRU
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DVQGENFCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LIILAGE-LAEDWHSRRKR-LRHRGRAVQRPLPPLPPLPQTRKSHGGQDGGRQ------
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ATAELTVSETNKVETTETSRSITTSPKESDSPAGPARQYYTKG------NLVRICLGAVI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PIITVTAAHSGTYRCYSESSRDPYLWSAPSDPLELVVTGTSVTPSRLPTEPPSSVAEFSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  YSKPTLSALFSPLVTSGKSVTLLCQSRSPMDTFLLIKERAMHPLLHLRSEHGAQQHQAEF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FAKPSLSAQPGPAVSSGGDVTLQCQTRYGFDQFALYKEGDPAPY-----KNPERWYRASF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DKEESPAPWDRQNPLEPKNKARFSIPSMTEDYAGRYRCYYRSPVGWSQPSDPLELVMTGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EKLSSSRYQD-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PMSPVTSVHGGTYRCFSSHGFSHYLLSHPSDPLELIVSGSLEDPRPSPT-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      447
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (TremBirel. 22, Last sequence update)
(TremBirel. 23, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ري
دي
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        49193 VW,
                                                                                                                                                                                                                                  Primates;
                                                                                                                                                                                                                                                          Chordata;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Primates;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Chordata;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                28.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           41;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     - CAVIFIPAMKRSLAGRYRCSYQNGSIWSLPSDQLEDVATGV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 500; DB
Pred. No. 6.8e-
41; Mismatches
                                                                                               EMBL/GenBank/DDBJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               -RSVSTAAGPEDQPLMPTGSVPHSGLRRHWEVLIGVLVVSIL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        EMBL/GenBank/DDBJ
                                                                                                                                                                                                                                     Craniata, Vertebrata:
Catarrhini: Heminidae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Craniata; Verrebrata; Suteleostomi; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            receptor-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        6B1E83E2BB107814
                                                                                                                                                                                                                                                                                                                                                                                                                                                448
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   .8e-35;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        90
                                                                                                                                                                                                                                                                                                                                                                                                                                                ξ,
                                                                                                                                                                                                                                       Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        databases
                                                                                                 databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
                                                                                                                                                                                                                                                             Eutcleostomi
                                                                                                                                                                                                                                                                                                                             (a) (b)
                                                                                                                                                                                                                                       Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ·-KDGGLQRRSSPAA
                                                                                                                                                                                                                                                                                                                                3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             68;
                                                                                                                                                                                                                                                                                                                                and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         322
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            279
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.0
1-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               270
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       22.9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    225
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ف
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 6
                            Ş
                                                                                                                                                                       Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   당
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ω̈́
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   닭
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  $
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               $
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ŝ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local S
Matches 133
                                                                       Ouery Match 27.9%;
Best Local Similarity 36.0%;
Matches 133; Conservative 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      O15468 PRELIMINARY; PRT: 448 AA.
O15468;
O1-JAN-1998 (TremBirel. 05, Created)
O1-ZAN-1998 (TremBirel. 05, Last sequence update)
O1-MAR-2003 (TremBirel. 23, Last annotation update)
O1-MAR-2003 (TremBirel. 23, Last annotation update)
                                                                                                                                                                  CHAIN
SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae
NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE
                                                                                                                                                                                                                                                             InterPro; IPR003599; Ig.
InterPro; IPR003006; Ig_MSC
Pfam; PF00047; ig; 2.
SMART; SM00409; IG; 1.
                                                                                                                                                                                                                                                                                                                                                     Genew; HGNC:6608;
                                                                                                                                                                                                                                                                                                                                                                        EMBI; U91925; AAB68665.1;
HSSP; P43626; INKR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Arm J.P., Nwankwo C., Austen K.F.; "Molecular identification of a novel family of human immunoglobulin superfamily members that possess immunoreceptor tyrosine-based inhibitory motifs and homology to the mouse gp49Bl inhibitory
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Monocyte inhibitory receptor Homo sapiens (Human)
                                                                                                                                                                                                                  SIGNAL
                                                                                                                                                                                                                                  Receptor; Signal.
                                                                                                                                                                                                                                                                                                                                                                                                                      Submitted
                                                                                                                                                                                                                                                                                                                                                                                                                                              receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            thes 133;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             271
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    323
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               331
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                226
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ε,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ς)
(λ)
                               L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      YSKPTLSALPSPLVTSGKSVTLLCQSRSPMDTFLLIKERAAHPILHLRSBHGAQQHQABF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MSESPTALFCLGLCLG-RVPAQSGPLPKPSLQALPSSLVPLEKPVTLRCQGFFGVDLYRU
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DKEESPAPWDRQNPLEPKNKARFSIPSMTEDYAGRYRCYYRSPVGWSQPSDPLELVMTGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MIPTFTALLCLGLSLGPRTDMQAGPLPKPTLWAEPGSVISWGNSVTIWCQGTLEAREYRL
       MSPSPTALFCLGLCLG-RVPAQSGPLPKPSLQALPSSLVPLEKPVTLRCQGFPGVDLYRL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DVCGENFCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LLSLLLFLLLQHWRQGKHRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LIILAGF-LAEDWHSRRKR-LRHRGRAVQRPLPPLPPLPQTRKSHGGQDGGRQ------
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     -----PSVSTAAGPEDQPLXPTGSVPHSGLRRHWEVLIGVLVVSIL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ATAELTVSFTNKVFTTETSRSITTSPKESDSPAGPARQYYTKG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PMSPVTSVHGGTYRCFSSHGFSHYLLSHPSDPLELIVSGSLEGPRPSPT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PIITVTAAHSGTYRCYSFSSRDPYLWSAFSDPLELVVTGTSVTFSRLPTEPPSSVAEFSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ---- Adeque de la contracción de la contraction 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EKESSSRYQD-----
                                                                                                                                                                                                                                                                                                                                                                                                                        (MAR-1997)
                                                                                                                                                                  24
448 i
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            448
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                    Ã
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            };
                                                                                                                                                                                                                                                                                                                                                     LILRB4.
                                                                                                                                                                                          448
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    331
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            49303
                                                                                                                                                                  49297 MW;
                                                                                                                                                                                                                  23
                                                                                                                                                                                                                                                                                                                                                                                                                          Ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    27.3%;
36.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                        the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2
                                                                          41;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 41;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  QAVLFTPAMKRSLAGRYRGSYQNGSLWSLPSDQLELVATGV
                                                                                                                                                                                                                                                                                                                                                                                                                          EMBL/GenBank/DDBJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 499; DB 4;
Pred. No. 8.3e-35;
1; Mismatches 127;
                                                                                                                                                      POTENTIAL.
MONCCYTE INHIBITORY RECEPTOR
7601824A82BA1399 CRC64;
                                                                          Score 498; DB 4
Pred. No. le-34;
1; Mismatches 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 precursor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LAQRQADFQRPPGAAEPEP-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A6155D29E7D89812
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Hominidae;
                                                                              127;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       update)
                                                                                                                       4.
                                                                                                                                                                                                                                                                                                                                                                                                                          databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CRC64
                                                                                                                  Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Euteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ---MIVRICLGAVI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               KDGGLQRRSSPAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   KINPERWYRASE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 68
                                                                              α
Ω
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                              Gaps
                                   ري
وي
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               322
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       270
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                279
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           225
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.0
1.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   , 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         σ)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             229
```

322 CEE 279

```
Ş
                                                                                                                 B
                                                                                                                                           Ş
                                                                                                                                                                           В
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Š
                        á
                                                       g
                                                                                                                                                                                                      Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ş
                                                                                                                                                                                                                                  Query Match
Best Local S
Matches 133
                                                                                                                                                                                                                                                                                         Pfam; PF0
Receptor.
SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                         SHQUENCE FROM N.A.

MEDILNE=20395285; PubMed=10941837;
Liu W.R., Xim C., Meankwo C., Ashworth L.K., Arm J.F.;
Liu W.R., Xim C., Meankwo C., Ashworth L.K., Arm J.F.;
"Genomic organization of the human leukocyte immunoglobulin-like
"Gengtors within the leukocyte receptor complex on chromosome
receptors within the leukocyte receptor complex on chromosome
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Eukaryota; Metazoa; Chordata; Craniata; Verlebrata; Euteleostomi;
Mammalia; Futboria; Primates; Catarrhini; Hominidne; Homo.
MCBI_TaxiD=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 C8NHL5
                                                                                                                                                                                                                                                                                                                     Immunogenetics 51:659-669(2000).
EMBL AF:89768 AAG02024.1; -
InterPro, FRR03086; Ig_MHC.
Pfam; PR00047; ig; 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         01-007-2002 (TrEMBLrel. 22, Greated)
01-007-2002 (TrEMBLrel. 22, Last sequence update)
01-007-2003 (TrEMBLrel. 23, Last annotation update)
101-WAR-2003 (TrEMBLrel. 23, Last annotation update)
Leukocyte immunoglobulin-like receptor 5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens (Human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     BNHL5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               -1
                                                                                                                                                                                                                                  Local Similarity
hes 133; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     331
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  27:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      226
 181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          323
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   111
                                                                                                                 6.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ď,
                                                                                                                                                                                            1 MSPSPTALFCUGLOLG-RVFAQSGPLPKPSLGALPSSLVPLEKPVTLRCQGPPGVELYRL
                                                                                                                                  EKLSSSRYQD------QAVLFIPAMKRSLAGRYRCSYQNGSLMSLPSDQLELVATGV
                                                                                                                                                                        MIPTETALLCLGLSLGERTEMQAGELEKETLWARRGSVISWGNSVTIWCQGTLEARRYRL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LIILAGE-LAEDWHSRRKR-LRHRGRAVQRPLPPLPPLPQTRKSHGGQDGGRQ-----
                                                                             FAKESISAQPGPAVSSGGDVTLQCQTRYGFDQFALYKEGDPAPY-----KNPERWYRASF
                                                                                                               DKEESPAPWDRONDLEPKNKARFSIPSMTEDYAGRYRCYYRSPVGWSQPSDPLELVMTGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DVQGENFCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PMSPVTSVHGGTYRCFSSHGFSHYLLSHPSDPLELIVSGSLEGPRPSPT---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FAKPSUSAQPGPAVSSGGDVTLCCQTRYGPDQFALYKEGDPAPY-----KNPERWYRASF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        EKLSSSRYOD------QAVLFIPAKKRSLAGRYRCSYQMGSLWSLPSDQLELVAFGV
                     PIITVTAAHSGTYRCYSFSSRDYYMSARSCRELEDVYTGTSVTRSRLPTEPRSSVARFSE
                                                      YSKETLSALPSPLVTSGKSVTJLCQSRSPMDTFLJIKERAAHPJJHLRSEHGAQQHQAEF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LLSTILLFLLLQHWRQGKHRTLNQRQNDFQRPPGANBPEP-----KDGGLQRRSSPAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ATAELITVSFTNKVFTTETSRSITTSPKESDSPAGPARQYYTKG------KLVRICLGAVI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PIITVTAAHSGTYRCYSFSSRDPYLWSAPSDPLELVVTGTSVTPSRLPTBPPSSVAEFSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         YSKPTLSALPSPLVTSGKSVTLLCQSRSPMDTFLLIKERAAHFLLHLRSEHGAQQHQAEF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DKEESPAPWDRONPLEPKNKARFSIPSMTEDYAGRYRCYYRSPVGWSQPSDPLELYMTGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MIPTETALLCLGLSLGPRTHMQAGPLPKPTLMAEPGSVISWGNSVTIWGQGTLEAREYRL
PMSPVTSVHGGTYRCFSSHGFSHYLLSHPSDPLELIVSGSLEGPRPSPT---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DVHSRGLCS
                                                                                                                                                                                                                                                                                           448 AA;
                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          331
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     339
                                                                                                                                                                                                                                                                                         49298 MW; 98310C446CEA1993 CRC64;
                                                                                                                                                                                                                                              27.9%;
36.0%;
                                                                                                                                                                                                                                   , i.
                                                                                                                                                                                                                                  Score 498; DB 4; Length 448;
Pred. No. le-34;
L; Mismatches 127; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RSVSTAAGPEDQPLMPTGSVPHSGLRRHWEVLIGVLVVSIL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 443
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ž,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       15.5
                                                                                   165
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        270
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            225
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         in C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  120
                                                       180
                                                                                                                                                                          90
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  279
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 229
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             맖
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    - 5
                                                                                                 문
                                                                                                                     Ş
                                                                                                                                                      g
                                                                                                                                                                                     5
                                                                                                                                                                                                                    5
                                                                                                                                                                                                                                           Ş
                                                                                                                                                                                                                                                                           Сb
                                                                                                                                                                                                                                                                                                 Ş
                                                                                                                                                                                                                                                                                                                                   аG
                                                                                                                                                                                                                                                                                                                                                            $
                                                                                                                                                                                                                                                                                                                                                                                              8
                                                                                                                                                                                                                                                                                                                                                                                                                  Ş
RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Bost Local Similarity
Matches 133; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           075021;
01.NOV-1998 (TrEMBErel. 08, Created)
01-NOV-1998 (TrEMBErel. 08, Last sequence update)
01-NAR-2003 (TrEMBErel. 23, Last annotation updat
Leucocyte immunoglobulin-like receptor-5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Pfam, PF0C047; ig; i
SMART: SMC0409; IG;
SEQUENCE 448 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Eukaryota; Metazoa;
Mammalia; Eutheria;
NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       075021
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SECUBNCE FROM N.A.
Borges L., Hsu M.-L.,
J. Immunol. 0:0-0(199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens (Human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          InterPro;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       nterPro; IPR003599;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 æ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       271
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              226
                                                                    331
                                                                                                                                                                                        226
                                                                                                                                                                                                                    181
                                                                                                                                                                                                                                                 99
                                                                                                                                                                                                                                                                           121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      .munol. 0:0-0(1997).
AF025532; AABB7666.1; -.
P43626; INKR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               323
                                         323
                                                                                                                                                                                                                                                                                                                                      ď
                                                                                                                                                                                                                                                                                                                                                                                              NIPTETALLCLGUSLGPRTHYQAGPLPKPTLWAEPGSVISWGMSVTIWCQGTLEAREYRL
                                                                                                                                                                                                                                                                                                                                                                                                                     ) NSPSPTALECLGLOG-RVPAQSGPTEXPSLQALESSLVPLEXPVTLRQGPEGVDLXRL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; IPR003006; ;
                                                                                                                                                                                                                                        PIITVTAAHSGTYRCYSFSSRDPYLWSAFSDPLELVVTGTSVTBSRLPT5PPSSVAHFSE
                                                                                                                                                                                                                                                                                              FAKPSJSAQDGPAVSSGGDVTIQCQTRYGFDQFALYKEGDPAPY-----KNPERWYRASF
                                                                                                                                                                                                                                                                                                                                      DKEESPAPWDRQNPLEPKNKARPSIPSMTEDYAGRYRCYYRSPWGWSQPSDPLHLWTGA
                                                                                                                                                                                                                                                                                                                                                          EKISSSRYQD------QAVIFTPAMKRSIAGRYRCSYQNGSIMSIPSDQLEIVATGV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DVOGENFCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LITTAGE-LAEDWHSRRKR-LRHRGRAVORPLPPLPCTRKSHGGCDGGRO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ATABLIVSFINKVFITETSRSITTSPKESDSPAGPARQYYTKG-----NLVRICLGAVI
                                         DVQGENFCA 331
                                                                     DVHSRGLCS
                                                                                                 LLSTLLFLTTQHWRQGKHRTLAQRQADFQRPPGAAEPEP--
                                                                                                                              LIILAGE-LAEDWHSRRKR-LRHRGRAVQRPLPFLPFLPQTRKSHGGQDGGRQ------
                                                                                                                                                                                ATAELTVSFTNKVFTTETSRSITTSPKESDSPAGPARQYYTKG-----NLVRICLGAVI
                                                                                                                                                                                                                                                                             YSKPTLSÄLPSPLVTSGKSVTLLCQSRSPNDTFLLIKERAMHPLLHLRSEHGACQHQÄEF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DVHSRGLCS 339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LLSLLLFLLLQHWRQGKHRTLAQRQADFQRPPGAAEPEP-----KDGGLQRRSSPAA
                                                                                                                                                                                                                    PMSPVTSVHGGTYRCFSSHGFSHYLLSHPSDPLELIVSGSLEGPRPSPT------
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               331
                                                                     939
                                                                                                                                                                                                                                                                                                                                                                                                                                                    27.9%; Sco
36.0%; Pre
ative 41;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Chordata; Craniata; Vertebrata; Euteleostomi; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               49325 WW:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ig.
Ig_MEC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Farger
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                -RSVSTAAGPEDQPLMPTGSVPHSGLRRHWEVLIGVLVVSIL
                                                                                                                                                            RSVSTAAGPEDQPLMPTGSVPHSGLRRHWEVLIGVLVVSIL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 498; DB 4; Length 448
Pred. No. 1e-34;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .
:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                76D1E087AD3A1399
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mismatches 127;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Kubin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        448
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ã
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CRC64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 D
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                    -KDGGLQKRSSPAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                       9.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                       <u>೦೩೮</u>೪
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  270
```

279

13 13 13 13 180

88.9

1:0 en O 59

G

```
RESULT
                                                                                                                                                                                                                                                                           Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SERVICE CONTRACTOR SERVICE SERVICE SERVICE CONTRACTOR SERVICE SERV
                                                                                                                                                                            5
                                                                                                                                                                                                         2
                                                                                                                                                                                                                                              B
                                                                                                                                                                                                                                                                                                                   문
                                                                                                                                                                                                                                                                                                                                           ń
                                                                                                                                                                                                                                                                                                                                                                                     20
                                                                                                                                                                                                                                                                                                                                                                                                                      Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ď.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ç.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ş
   충분
                                                                                                                                $
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Sest Local S
Matches 136
   C75018
O75018;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  InterProj 1...

Pfam; PFC0047; ig; 4.

SMART; SM00408; IGC2; 4.

Immunoglobulin domain; Receptor.

Immunoglobulin domain; Receptor.

1 SPBFC7E8724BF0FC CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Comparison of chimpanzee and human leukocyto Ig-like roveals framework and rapidly evolving genes.", J. Immunol. 167:5765-5794 (2001).
BRBD: AF383169; AAL31878.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIINE=21555186; PubMed=11698452; Canavez F.C., Young M.T., Guethlein Shum B.P., Parham P.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OBMIZ2 PRELIMINARY: PRT: 481 AA.

QBMIZ2:
QBMIZ2:
QB-CORRESPONDER 1. 22, Created:
Q1-CCT-2002 (TrEMBirel. 22, Last sequence up
Q1-MAR-2003 (TrEMBirel. 23, Last annotation
Leukocyte immunoglobulin-like receptor e.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                InterPro; IPR003598; Ig_c2.
InterPro; IPR003006; Ig_MHC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NCBI_TaxID=9598;
                                                 10
                                                                                                        443
                                                                                                                                         265
                                                                                                                                                                              421
                                                                                                                                                                                                                                                361
                                                                                                                                                                                                                                                                                  191
                                                                                                                                                                                                                                                                                                                   30:
                                                                                                                                                                                                                                                                                                                                                      160
                                                                                                                                                                                                                                                                                                                                                                                                                                                           18:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            :36;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           YSTPTLSALPSPVVASGGNVTLRCGSQKGYDHFVLMKEGEHQLPQTLDSQHLHSGGFQAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MSPSPTALFCLGLCLG-RVPAQSGPLPXPSLQALFSSLVFLEXPVTLRCQGPPGVDLYRL
                                                                                                        YTVENLIRMGMAGLVIVVLGILLFEACHSOR
                                                                                                                                                                                                                                                                                                                   NISSEWSAPSDPINILIAGQFYDRVSISLQPDPTVASGENVTILCQSQGQFDTFILTKEG
                                                                                                                                                                                                                                                                                                                                                                                     LTLQCGSDVGYDRETLYKEGERBFLQLFGPQPQAGLSQAMFTLGFVSRSHGGQYRCYGAH
                                                                                                                                                                                                                                                                                                                                                                                                                                                           FEVGEVTESHRWTFTCYGSYRNTPQVWSHPSDELEILESGVSRKFSLLTLQGEVLÅPGES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FAKPSUSACPGPAVSSGGDVTUCCCTRYGFDQFALYKEG----------
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  YKEGSREPRDTQNPMEPKNKARFSIPSMTEHHAGRYRCYYRSPAGWSEPSDPLELVVTGF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     EKLSSSRYQD-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MTPALTALLCLGLSLGPRTHVQAGPLPKPTLWAEPGSVISWRSPVTIWCQGSLEAQEYRL
                                                                                                                                         YTKGNLVRICLGAVILIILAGFLAEDWHSRR
                                                                                                                                                                              SEEDIAGISGES
                                                                                                                                                                                                             TSVTPSRLPTEPPSSVAEFSEATAELTVSFINKVFTTETSRSITTSPKESDSPAGPARQY
                                                                                                                                                                                                                                                AMIPPLRIRSKYQSQKYQAEFPMNPVTSAHAGTYRCYGSYSSNPHLISFPSDPIKLMVSG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
                    PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (Chimpanzee)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Chordata;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           25.6%;
                                                                                                                                                                                                                                                                         YRASEPIITVTAAHSGTYRCYSFSSRDEYLWSAPSDELEUVVTG
                                                                                                                                                                                                                                                                                                                                                                                                                            YKWPER--
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            41:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 478; DB 6;
Pred. No. 6e-33;
41; Mismatches 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   -QAVLFIPAMKRSLAGRYRCSYQNGSLWSLPSDQLELVATGV
                    PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           r •
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     :
A:
                    299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              -DP-------
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Vertebrata; Euteleostomi;
                  ž,
                                                                                                                                         (2)
(3)
(3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Rajalingar
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   update
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Pan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     æ
:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               461;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Khakoo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          254;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        genes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ខ្មន់ភូន
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         \sigma_{\rm D}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AP---
                                                                                                                                                                                                                                                                                                                                                                                       300
                                                                                                                                                                                                                                                                                                                                                                                                                                                           240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            153
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      o
O
                                                                                                                                                                                                                                                420
                                                                                                                                                                                                                                                                                204
                                                                                                                                                                                                                                                                                                                   360
                                                                                                                                                                                                                                                                                                                                                      160
                                                                                                                                                                                                                                                                                                                                                                                                                          159
                                                                                                                                                                                                                                                                                                                                RESULT 11
C9Z0H5
 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ď,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   $
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ď.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  $
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ď,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          $
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       InterPro; leading 1.
Pfam; PFC0047; ig; 1.
SMART; SMO0409; IG; 1.
SMART; SMO0409; IG; LIKE; 1
SMOSITE; PS50835; IG LIKE; 1
                               SEQUENCE FROM N.A.
TISSUE-Lymphoid;
Falco M. Cantoni C., I
"Identification of the
receptor.";
                                                                                                                                                                                                                                            Q9Z0H5
Q9Z0H5;
Q9Z0H5;
01-MAY-1999
01-MAY-1999
01-CCT-2002
Submitted
[2]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Borges L.,
                                                                                                                                                                                                           NKACTE.
AR-1 OR KILR-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EMBL; AF025529; AAB87663.1;
HSSP; P43626; INKR.
InterPro; IPR003599; Ig.
InterPro; IPR003006; Ig_Hike
InterPro; IPR003006; Ig_MHC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Eukaryota; Metazoa;
Mammalia: Eutheria;
NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Leucocyte immunoglobulin-like receptor-68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 01-NOV-1998 (TrEMBirel, 08, Created)
01-NOV-1998 (TrEMBirel, 08, Last sequence up
01-MAR-2003 (TrEMBirel, 23, Last annotation
                                                                                                                                                         Eukaryota; Metazoa;
Mammalia; Eutheria;
                                                                                                                                     NCBI_TaxID=10116;
                                                                                                                                                                                          Rattus norvegicus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity 38.5
nes 120; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                          284
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              224
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  164
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      110
                                                                                                                                                                                                                                                                                                                                                                                                         276
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          σı
O
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           _
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          L., Hsu M.-L., Fanger N.,
unol. 0:0-0(1997).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WSPSPTALFCLGLCLG-RVPAQSGPLPKPSLQALPSSLVPLEKEVTLRCCGPPGVDLYRL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AYIKPTLSALPSPVVTSGGNVTLHCVSQVAFGSFILCKEGEDEHPQCLNSQPRTHGWSRA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     YREKKTAPWITRIPQEIVKKGCFPIPSITWEHTGRYRCFYGSHTAGWSEPSDPLELVVTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                --EKISS---SRYQDQAV----LFIPAMKRSLAGRYRCSYQNGSL-WSLESDQLEIVATG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           KTPILTVLICLGLSLGPRTHVQAGTLPKPTLWAEPGSVITQGSPVTLWCQGILETQEYRL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           VFAKPSLSAQPGPAVSSGGDVTLQCQTRYGFDQFALYKEGD---PAFYKNPER---
                                                                                                                                                                                                                                                                                                                                                                                                        GILLFEACHSOR
                                                                                                                                                                                                                                                                                                                                                                                                                                          AGFLAEDWHSRR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               KAGAAN----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEATAELTVSFTNKVFTTETSRSITTSPKESDSPAGPARQYYTKGNLVRICLGAVILIIL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 IFSVGPVSPSRRWSYRCYAYDSNSPHVWSLPSDLLELLVFGAAETLS-----PPONKSDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEPTITVTAMHSGTYRCYSESSRDPYLNSAPSDELELVVTGTSVTPSRLPTEPPSSVAEF
                  (FEB-1999)
                                                                                                                                                                                                                                            9 (Tramblrel. 10,
9 (Tramblrel. 10,
2 (Tramblrel. 22,
                                                                                                                                                                                                                                                                                                                   PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (Humar,)
                                                                                                                                                                                            (Rat)
                                                   the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Chordata;
Primates;
                                                                                                                                                           Chordata;
Rodentia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ig-like.
Ig_MHC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 26.7%;
38.5%;
                  to
                                                 Bottino C., Moretta L., Bia
e rat homologue of the human
                                                                                                                                                                                                                                                                                                                                                                                                         287
                                                                                                                                                                                                                                                                                                                                                                                                                                          295
                  the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ¥.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                . 0.7
                                                                                                                                                                                                                                            Created)
Last sequ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 477; DB
Pred. No. 3.7e-
46; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Craniata; Ve
Catarrhini;
                                                                                                                                                         Craniata; Vertebrata; :
Sciurognathi; Muridae;
                                                                                                                                                                                                                                                                                                                     PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    E1930C4CE6AEA119
                                                                                                                                                                                                                                                sequence update) annotation updat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             -TLSPSQNKTASHP--ODYTVENUTRMGIAGLVLVVU
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Kubin
                                                                                                                                                                                                                                                                                                                     325
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 4; I
3.7e-33;
ses 104;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Vertebrata; Euneleostom;;
i; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                     Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Cosman
                                                                                                                                                                                                                                                update
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      apdate)
                                                 Biassoni R
numan NKp46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ø
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                         Euteleostomi;
, Murinae; Rattus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ι.
(.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         - 5.∀R.
```

235 283 275

Gaps

59

ත ර

23.9

164

180

110

120

```
OR RESULT OF SECULAR S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Serg S.F., Dissen E., Westgaard I.H., Fossum S.,
"Molecular characterization of KILR-1, a novel immunoglobul
gene in the rat, expressed by NK cells.";
L. Submitted (OCT-1998) to the EMBL/GenBank/DDBJ databases.

R. EMBS, AC01274; CAALOL611; ...
R. EMBL, AF02533; AAC69890.1; ...
HSSP; P44626; 1NKR.
R. HSSP; P44626; 1NKR.
R. InterPro; IPR003599; Ig.
InterPro; IPR003599; Ig.
InterPro; IPR03363; Ig.MHC.
R. Fdam; PF02047; 1g; 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
  InterPro; IPR003599; Ig.
InterPro; IPR007110; Ig-like.
InterPro; IPR003598; Ig-02.
InterPro; IPR003006; Ig_MHC.
Pfam; PF00047; Ig; 4.
SMART; SM00409; IG; 4.
                                                                                                                                                                                                                                                                                                                                                                                                                             OBMJZ3;
01-OCT-2002 (TremHLrel. 22, Created)
01-OCT-2002 (TremBLrel. 22, Last sequence update)
01-MAR-2003 (TremHLrel. 23, Last annotation updat
Leukocyte immunoglobulin-like receptor d.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Receptor.
                                                                                                                                                                                                                                                                                                                                                                      Pan troglodytes (Chimpanzee).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SZFW8Ö
                                                                                                                                     J. Immunol. 167:5786-5794(2001).
EMBL; AF383168; AAL31877.1; -
                                                                                                                                                                                   "Comparison of chimpanzee and human leukocyte Ig-like reveals framework and rapidly evolving genes.";
                                                                                                                                                                                                                                 Canavez F.C., Young N.T.,
Shum B.P., Parham P.;
                                                                                                                                                                                                                                                      MEDLINE=21555186; PubMed=11698452; Canavez F.C., Young N.T., Guethlein
                                                                                                                                                                                                                                                                                                                                           NCBI_TaxID=9598;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                    SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               238
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        223
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        161
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   275
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              289
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         al Similarity
116; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (n
VD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             _
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               YDTPTLWVHPGPEVTLGENVTFSCHLKTATSKFFLLKERESNBIQHKYGNIÇAEFFMGPV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FAKESLSAQEGPAVSSGGDVTIQCQTRYG#DQ#ALYKEGDEAPYKNPERWYRASEFITTV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         YFEGSFFMLERPKSSRSMNKVKFFISOMISHTAGIYTCFYQSGELWSESSNPLKLVVTQL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ------EKLSSSRYQDQAVUFTPAMKRSLAGRYRQSYQNGSUNSLESDQLELVATGV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MSESPTALECTGLCLG-RVPAOSGPLPKPSLCALPSSLVPLEKPVTLRCQGPPGVDLYR-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EUTVSFTNKVFTTBTSRSITTSPKESDSPAGPARQYYTKGNLVRICLGAVILIII.AGELA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MURTITALLOLGEOLS QRINTSKOTERKRITNÁKRSIMÝTKGNSVNIMOGGAQSASRÝQU
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HUWLSRRK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HUMINGRAK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TRAHRGTYRC---FGSYNDYAWSFPSEPVTJLITGEVENTSLAPTDPVSSJDYWEFDLST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TAMISGTYRCYSFSSEDPYLWSAPSOPLECVVTCTSVTPSRLPTSPPSSVA--EESEATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   325 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   282
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   37178 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             26.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3
8
•-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pred. No. 2.1e-32;
8; Mismatches 116;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 469; DB 11;
Pred. No. 2.1e-32;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   502C10AA02F65FA4 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          -KESGLOKDSAFWDHTAQNLIRIGLACIIVWALVWALA
                                                                                                                                                                                                                                                    . L.A.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   631
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ssum S.;
| novel immunoglobulin-like
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ζ,
                                                                                                                                                                                                                                                         Rajalingam
                                                                                                                                                                                                                                                                                                                                                                          Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 325;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                Euteleostomi;
                                                                                                                                                                                                                                                      ;0
;
                                                                                                                                                                                                             receptor
                                                                                                                                                                                                                                                         Khakoo s.I.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3
8
**
                                                                                                                                                                                                           genes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            274
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                JŊ
O
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         v
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 13
C76036
                                                                                                                                                                  9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            $
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8
                        Ş
                                                            Cuery Match 25.7%;
Hest Local Similarity 36.1%;
Matches 117; Conservative 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  01-NOV-1998 (TrEMBLrel. 08, Created)
01-NOV-1998 (TrEMBLrel. 08, Last sequence update)
01-MAR-2003 (TrEMBLrel. 23, Last annotation update)
NK receptor (Lymphocyte antigen 94 homolog, activating
NK-p46.) (Mouse).
                                                                                                                                                                                                                                                                                                                                                                                                                                                             SECURNCE FROM N.A.
TISSUE-Lymphold;
MEDLINE=98401029; PubMed=9773896;
MEDLINE=98401029; PubMed=9773896;
Pessinc A., Sivori S., Bottino C., Malaspina A., Morelli L.,
Moretta L., Biasson: R., Moretta A.;
"Molecular cloring of NRP46; a novel member of the immunoglobulin
superfamily involved in triggering of natural cytotoxicity.";
J. Exp. Med. 188:953-960(1993).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            076036
076036;
                                                                                                                                                               Receptor.
SEQUENCE
                                                                                                                                                                                                                                                                       Strausberg R.;
Submitted (MAY 2002) to the
EMBL; AC001383; CAAA04714 1;
EMBL; BC030265; AAH30265.1;
HSSP; F43626; 1NKR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SMART: SM03408: IGG2; 2.

FROSITE; PS50838; IG_LIKE; 2.

Immunoglobulin domalf; Receptor:
SEQUENCE 631 AA; 69456 MW; 10E78706D284D6RF CRC64:
                                                                                                                                                                                                      Genew; HGNC:6731; NCR1.
InterPro; IPR003006; Ig_MHC
Pfam; PFCC047; ig; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Marmaila; Eutheria; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                              [2]
SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens (Human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               225
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      155
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ٥,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         o
O
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    j...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ۶. ۰
                          H
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Similarity
MSPSPTALECLGUCLG-RVPAGSGELPKPSLQALPSSLVPLEKPVTLRCGGPPGVDLYRL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FAKPSLSAQPGPAVSSGGDVTLQCQTRYGFDQFALYKEGD---PAPYKNFE---RWYRAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MSPSPTALECTGLCTG-RVPAQSGPTEKPSLQALPSSLVPLEKPVTLRCQGPPGVDLYRL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 YSKPTLSALPSPVVASGGNVTLRCGSQXGYDHFVLMXEGEHOLPRTLDSQQLHSGGFQAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           YKEGSTEPWDKTNFLETRNKARFSIPSMTQHHAGRYRCYYRSPAGWSEPSDPLELIVVTGF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     EKISSSRYQD-------QAVIFIPAMKRSLAGRYRCSYQNGSIWSLFSDQIEIVATGV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STITLQCGSDVGYDRFVTYKEGERDFLQRPGQQPQ-AGLSQANFTLG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EATAEL - - TVSFTNKVFTTETSRSITTSPKESDSPAGPARQYYTKG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FPVGPVTPSHRWTFRCYYYYTYNDQVWSHPSDPLEILPSGVSRXPSLLTLQGP-VLAPGE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FPIITVTAMHSGTYRCYSFSSRDEYLWSAFSDPLELVYTGTSVTPS9RLFTEPPSSVAEFS
                                                                                                                                                               304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRECIMINARY;
                                                                                                                                                               AA
;
                                                                                                                                                                  34480 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 39.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           46;
                                                                   ; Score 459; DB 4; L; pred. No. 1.4e-31; 45; Mismatches 108;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 464; DB
Pred. No. 1.4e
46; Mismatches
                                                                                                                                                                                                                                                                                                       . .:
                                                                                                                                                                                                                                                                                                                                                  EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRT;
                                                                                                                                                               FBCBDE50D2F34CD3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ξ,
                                                                                                                 Length
                                                                                                                                                                  CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Lengtio
                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NK-receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (A)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20
                                                                        54
•
```

Gaps

8

8

Ş

Ş

G.

끖

Ş S, Ş 8 2

```
Ş
                                                                                                                                                   Ş
                                                                                                                                                                                                                                                                                                             Ş
                        9
                                                           ႘
                                                                                                                      ů.
                                                                                                                                                                                   Ŋ,
                                                                                                                                                                                                               8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ů,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9
                                                                                                                                                                                                                                               Query Match
Best Local Similarity
Matches 117; Conserv
                                                                                                                                                                                                                                                                                                                                  HSSP: P43626; INKR.
MGD: MGI:1336222; Norl.
InterPro: IPR003599; Ig.
InterPro: IPR003006; Ig_MHC.
Pfam: PF00047; ig: 2.
SMART: SMO0409; IG: 2.
                                                                                                                                                                                                                                                                                                                                                                                                                            SRQUENCE FROM N.A.

TISSUE=Lymphoid;

MEDIINE=99190527; PubMed=13092106;

MEDIINE=99190527; PubMed=13092106;

MEDIINE=99190527; PubMed=13092106;

Blassoni R., Pessino A., Bottino C., Pende D., Noretta

"The murine homologue of the Human KKp46; a triggering
involved in the induction of natural cytotoxicity.";

Eur. J. Immunol. 29:1014-1020(1999).

ENBL, A.223765; CAB39169:1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    01-MAY-1999 (TrEMBLrel, 10, 01-MAY-1999 (TrEMBLrel, 10, 01-MAR-2003 (TrEMBLrel, 23,
                                                                                                                                                                                                                                                                                                             Receptor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Nus musculus (Mouse).
Eukaryota; Metazoa; Chordata;
Mammalia; Euthoria; Rodentia;
MCBI_TaxID=10090;
(CBI_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Activating receptor 1.
NCR1 OR LY94 OR MAR-1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   29Z0C4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   292004;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              287
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         281
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       221
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    165
181
                             171
                                                           121
                                                                                                                      5
                                                                                                                                                    5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9
                                                                                                                                                                                                            MSPSETALECUGUCIG-RVEAQSGELEKPSJQALPSSJVPLEKFYTIRCCGEEGVDJYR-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LVVTEMYDTPTLSVHPGPEVISGEKVTEYCRIDTATSNFLLIKEGRSSHVQRGYGKVQAE
                                                                                                                                                                                   MIPTITALLCUGLCLSORINTEKETLEKPIIWAKPSIMYTNGNSVNIWCCGAQSASEYCL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              VALVWFLVEDWLSRKRTRERASRA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ITLAGELASDWHSRRKRLRHRGRA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AEFSEATAELTVSFTNKVFTTETSRSITTSPKESDSPAGPARQYYTKGNLVRICLGAVIL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FPIITVTAAHSGTYRCYSFSSRDPYLWSAPSDELELVVTG----TSVTESKLETEPESSV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LVATGVFAKPSISAQPGPAVSSGGDVTLQCQTRVGFDQFALYKEGDPAPYKNPERWYRAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HPEGSLFAVDREKEPERINKVKF-----YIPDMNSRMAGQYSCIYRVGELWSEESMILD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GTY---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FPLGPVTTAHRGTYRC--FGSYNNHAWSFPSEPVKLLVTGDIENTSLAPED-PTFPACTW
                                                                                     FAKPSLSAQPGPAVSSGGDVTLQCQTRYGFDQFALYKEGDPAPYKNPERWYRASFPILTV
                                                                                                                      YFEGSFFALERPKPSRSMNKVRFFISQMTSHTAGIYTOFYQSGELWSKSSNPLKLVVTGL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MSSTLEALLCVGLCLSQRISAQQQTLPKPFIWAEPHFMVPKEKQVTICCQGNYGAVEYQL
TRAHRGTYRC--FGSYNDYAWSFPSEPVTLLITGGVENSSLAPTDFTSSLLYWEFDLSTN
                         TAAHSGTYRCYSESSRDPYLWSAPSDPLELVVTGTSVTPSRLPTEPPSSVA--EFSEATA
                                                          YDTENLWVYPREEVTLGENVTEECQLKTATSKEELLKERGSNHIQNKYGNIQAHEPHGPV
                                                                                                                                                                                                                                                                                                             325 AA;
                                                                                                                                              -----LEKLSSSRYQDQAVLFIPAMKRSLAGRYRCSYQVGSLWSLPSDQLFLVATGV
                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRELIMINARY;
                                                                                                                                                                                                                                                                                                           37265 MW; ED24E46A5F22F029 CRC64;
                                                                                                                                                                                                                                                            25.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        --BUTTETG------LQKDH----ALWDHTAQNIDRMGLAFLVL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EKUSSSKYQDQAVUFIPAMKRSLAGRYRÇSYQNGSLWSUPSDQUE
                                                                                                                                                                                                                                                  رب
س
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Created)

Last sequence update)

Last annotation updat
                                                                                                                                                                                                                                              Score 455; DB 11;
Pred. No. 3.5e-31;
6; Mismatches 117;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Craniata; Vertebrata; Euteleostomi;
Sciurognathi; Muridae; Murinae; Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              290
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   325
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ž
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    update)
                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                 Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                L., Moretta
receptor
                                                                                                                                                                                                                                                 (1)
(E)
                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        266
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    231
                                                                                       ) i
                                                                                                                                                                                     60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       288
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                164
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           os
C)
                                                          180
```

```
RESULT 15
Q8C567
ID Q8C56
                                                                                                                                                Ş
                                                                                                                                                                                                                                         D.
                                                                                                                                                                                                                                                                    Ş
                                                                                                                                                                                                                                                                                                     C.
                                                                                                                                                                                                                                                                                                                                Ş
                                                                                                                                                                                                                                                                                                                                                               G,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        β
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5
Search completed: October 23, Job time: 103 secs
                                                                                    5
                                                                                                                     5
                                                                                                                                                                              Ω,
                                                                                                                                                                                                          Ş
                                                                                                                                                                                                                                                                                                                                                                                          Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 밁
                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 25.5%;
Best Local Similarity 38.0%;
Matches 117; Conservative 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE FROM N.A.
STRAIN-C57BL/6J; TISSUE=Bone;
MEDLINE=2354683; PubMed=12466851;
The FANTOM Conscrtium,
the RIKEN Genome Exploration Research Group
"Analysis of the mouse transcriptome based o
60,770 full-length cDNAs.";
Nature 420.563-573(2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Q80567 PRELIMINARY; PRT; 325 AA.
Q80567;
Q80567;
Q1-MAR-2003 (Trexelrel. 23, Created)
C1-MAR-2003 (Trexelrel. 23, Last sequence update)
C1-MAR-2003 (Trexelrel. 23, Last annotation update)
Cymphocyte antigen 94.
Mus musculus (Mouse)
Mus musculus (Mouse)
Eukaryota, Metazoa; Chordata; Craniata; Verrebrata; Euteleostom;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
MCBI TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  EMBL; AK079401; BAC37635.1; -. SEQUENCE 325 AA; 37237 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 275
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           239
                                                           275
                                                                                         289
                                                                                                                       239
                                                                                                                                                   229
                                                                                                                                                                                                             171
                                                                                                                                                                                                                                           121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             289
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        229
                                                                                                                                                                                 181
                                                                                                                                                                                                                                                                                                     g)
                                                                                                                                                                                                                                                                                                                                   59
                                                                                                                                                                                                                                                                                                                                                              j...4
                                                                                                                                                                                                                                                                                                                                                                                           1 MSPSPTALFCLGLCLG-RVFAQSGPLPKPSLQALFSSLVFLEKFVTLRCQGPFGVDLYR-
                                                           EDWLSKRK 282
                                                                                       EDWHSRRK
                                                                                                                                                                                                       TAAHSGTYRCYSESSRDEYLWSAESDELELVVTGTSVTESRLETEPESSVA--EFSEATA
                                                                                                                                                                                                                                           YDTPNLWVYPQPEVTLGENVTFFCQLKTATSKFFLLKERGSNHIQNKYGNIQAEFPMGPV
                                                                                                                                                                                                                                                                      FAKESLSAOPGPANSSGGDVTLOCOTRYGFDQFALYKEGDPAFYKNPERWYRASFETTTV 170
                                                                                                                                                                                                                                                                                                     YFEGSFFALERPKPSRSMNKVRFFISCMTSHTAGIYTCFYQSGELWSKSSNPLKLVVTGL
                                                                                                                                                                                                                                                                                                                                -----LEKLSSSRYQDQAVLFIPAMKRSLAGRYRCSYQNGSLWSLPSDQLELVATGV 110
                                                                                                                                                                                                                                                                                                                                                               MIPTITALLOLGLOUSQRINTEKETLEKPIIWAKPSIMVTNGNSVNIWCQGAQSASEYQL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EDWLSKRK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            EDWHSRRK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ţij
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ELTVSFTNKVFTTETSRSITTSPKESDSPAGPARQYYTKGNIVRICLGAVILIILAGNIA
                                                                                                                                                   ELTVSFTNKVFTTETSRSTTTSPKESDSPAGFARQYYTKGNLVRICLGAVILIILAGELA
                                                                                                                                                                                  TRAHRGTYRC--FGSYNDYAWSFPSEPVTLLITGGVENSSLAPTDPTSSLDYWEFDLSTN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 282
                 2003,
                                                                                                                                                                                                                                                                                                                                                                                                                           36;
                                                                                                                                                                                                                                                                                                                                                                                                                        Score 455; DB il;
pred. No. 3.5e-31;
6; Mismatches il7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           -SGLCKDS---
                                                                                                                       SGLCKDS----AFWDHTTCNLIRIGEACTILITEVWELT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  42272A976E3E3E34 CRC64;
                 09:40:15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           -AFWDHTTQNLIRIGLACIILITUVWUUT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            on functional
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                           indeis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Team; annotation
                                                                                                                                                                                                                                                                                                                                                                                                                           38;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mis.
                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.5
                                                                                                                                                      298
                                                                                                                                                                                    238
                                                                                                                                                                                                                                           180
                                                                                                                                                                                                                                                                                                                                                                 65
                                                                                                                                                                                                                                                                                                                                                                                               83
                                                                                                                                                                                                                                                                                                     120
```

```
Minimum
Maximum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Database
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Perfect score:
Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ELD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OM procein -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Post-processing:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            cn:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            number
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8
83
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 sec
5ec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     protein search,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 length: 0
length: 2000000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-503-367-3
1786
1 MSPSPTALFCLGLC
                      A_Geneseq_19Jun03:*
1: /SIDS1/gcadata/~
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                BLOSUM62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Cctober 23, 2003, 09:38:24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Minimum Match 0%
Maximum Match 100%
Listing first 45 st
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1107863 segs, 158726573 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gapop 10.0 , Gapext 0.5
11 /SIDS1/gogdata/geneseq/geneseqp-embl/AA1991 DAT:
2 /SIDS1/gogdata/geneseq/geneseqp-embl/AA1992 DAT:
3 /SIDS1/gogdata/geneseq/geneseqp-embl/AA1992 DAT:
4 /SIDS1/gogdata/geneseq/geneseqp-embl/AA1993 DAT:
5 /SIDS1/gogdata/geneseq/geneseqp-embl/AA1993 DAT:
5 /SIDS1/gogdata/geneseq/geneseqp-embl/AA1993 DAT:
6 /SIDS1/gogdata/geneseq/geneseqp-embl/AA1993 DAT:
7 /SIDS1/gogdata/geneseq/geneseqp-embl/AA1996 DAT:
8 /SIDS1/gogdata/geneseq/geneseqp-embl/AA1996 DAT:
9 /SIDS1/gogdata/geneseq/geneseqp-embl/AA1997 DAT:
9 /SIDS1/gogdata/geneseq/geneseqp-embl/AA1999 DAT:
9 /SIDS1/gogdata/geneseq/geneseqp-embl/AA1999 DAT:
9 /SIDS1/gogdata/geneseq/geneseqp-embl/AA1999 DAT:
9 /SIDS1/gogdata/geneseq/geneseqp-embl/AA199 DAT:
9 /SIDS1/gogdata/geneseq/geneseqp-embl/AA200 DAT:
9 /SIDS1/gogdata/geneseq/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MSPSPTALFCLGLCLGRVPA.....
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Copyright
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GenCore version 5.1.6 (c) 1992 - 2003 Compugen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; Soarch time 83 Seconds (without alignments) 648.293 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ....KSHGGQDGGRQDVHSRGLCS 339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1107863
```

Pred. No. is the number of results predicted by chance to become greater than or equal to the score of the result being and is derived by analysis of the total score distribution. to have a being printed

		ж			0.0000000000000000000000000000000000000	
Result		Query				
No.	Score	Match	Match Length DB	53	10	Description
-	777	100.0		22 1	AAB61255	Human TANGO 268
ы	:786	100.0	339	24	ABU11221	PNGO
Ç.	1782	99.8	339	22	AAB61273	HANGO OBJAN
4	1782	99.8	339	23	AA361274	TANGO
ر.	1782	99.8		22	AAB6:275	TANGO
6	1782	39.8	339	22	AAB61276	CSNAC
7	1782	99.8		24	AEU11239	
30	1782	99.8		24	ABU11240	Glycoprotein VI
9	1782	99.8	955	24	ABC11241	Glycoprotein VI

,4 <u>,</u>	44	43	42	41	40	9	38	: 7	97	(J)	(L)	ني نيا	ω N	3	30	29	28	27	ω 10	(J)	24	23	22	٠, دع	20	13	ор , ,	4	0) F •	Ω,	. 4		5.2	1.	
S	Ú	ÚΠ	-1		ø	ø	9	9	9	ψı	(J	3	080.	$\dot{\circ}$	1.	1.	1:	1118	1,	1.	12	12	12	12	1304	1304	1304	'n	ω,	-1	٠.)	3	. ,	1770	31
5.	5	٠,	6.	6	1	. 1	7.	.1	7.	2		0			2	2	2	62.6	∾	3	.~	'n		.∼	( <b>.</b> .	٠.)	٠,		w.	.4				9	99.8
•	4)	632	က	ဏ	4	7	448	4	*	đ١	σ١	O	w	(c)	_	$\mathbf{r}$	Н	1	1	١.,	٠,	٠,	* *	$\vdash$	'n	4	.4.	١.,	C	٠,	١,	μ,	نیا	339	w
																																		22	
Û	BC418	0	8041	825	4	269	AAB04176	4	25	ABU1:234	Ε,	5	K)	N.3	0112	.,	6.1	P.1	1,1	۲,	V)	1,7	V.	12	2	N)	AAS61261	(n	AB272516	N)	4	F.	727	u,	V)
Human MANGO 511 am	Leukocyte immunogl	$\leq$	Leukocyte immunogl	obm3 6	NSET po	rotein	yte im	4 87WH	R-phm2 pr	se TANGO 268	ANGC 268	an placelet g	e TANGO 268	re mouse T	oprotein VI a	oprotein VI a	oprotein V	TANGO 268-r	e TANGO 268-r	e TANGO 268-r	oprotein VI	9 TANGC 268 p	268-r	e TANGO 268	GPVI exter	TANGO 268 e	n TANGO 268	otein VI-	lobul	892	n glydopro	re human	an platelet m	ino acid segue	Glycoprotein VI as

## ALIGNMENTS

Human TANGO 268 protein

04-APR-2001 AAB61255;

(first entry)

AAB61255 standard; Protein; 339

Ì,

```
RESULT 1
AAB61225
AAB
                                                                                                                                                                                 30-JUN-1999;
06-DEC-1999;
14-FEB-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human: TANGO 269; cardiant; cerebroprotective; cytostatic; anticoagulant; thrombolytic; antiareriosclerotic; haemostatic; glycoprotein VI; GPVI; platelet membrane glycoprotein receptor; bleeding disorder; blood vessel injury; thrombotic disorder; haemograbagic disorder; stroke;
    Busfield
                                                                                                                                                                                                                                                                                                                                                                        30-JUN-2000;
                                                                                                (MILL-) MILLENNIUM PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    04-JAN-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO200100810-AI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ischaemia; cardiovascular disease; immunological disease; liver disorder
    Sr.
                                                                                                                                                                                                                                                                                                                                                                        2000WC-US:8152.
                                                                                                                                                                                           2000US-0503387.
    Villelal J,
                                                                                                                                                                                                                             99US-0345468.
99US-0454824.
    Jandrot-Perrus
    <u>:</u><
    Vainchencker W,
    G111
    SC
```

```
RESULT 2
ABUL1221
EC ABUL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ß
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           당
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ğ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present sequence is given in a specification relating to an isolated connected acid molecule encoding a platelet membrane glycoprotein receptor glycoprotein VI (GPVI), also called TANGO 268. The GPVI polynuclectides conditioned their modulators, e.g. antisense nucleic acids. CC diagnosing disorders associated with aberrant expression or activity of CC diagnosing disorders associated with aberrant expression or activity of CC (e.g. thrombocytopaenia), blood vessel injury, thrombotic disorders (e.g. thrombotic occlusion of the coronary artery and cerebral artery diseases (e.g. stroke and coloreders, coronary artery and cerebral artery diseases (e.g. stroke and confarction), cardiovascular diseases (e.g. atherosclerosts and myocardial cembryonic liver disorders praferably they are used no prevent acture cardiac ischaemia following angioplasty and metastatic cancers, expecially of the colon and liver.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 100.
The 339; Conservative
Human; mouse; variable heavy; VH; antigen; cancer; complementarity determining regio; TANGO 268; glycoprotein VI; TANGO 268; extracelitlar matrix; collagen; platelet release; proliferation; migration; embryogenesis; inflammation; thrombos:
                                                                                                                                                                                                                                                                                                                                       ABU11221 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New genes encoding human platelet-expressed collagen receptor, glycoprotein VI, and its modulators, useful for preventing, to and diagnosing hemorrhagic disorders, thrombotic diseases and
                                                                                                                                                                                                                      06-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             immunological disorders
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2001-080877/09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    24:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              121
                                                                                                                                                   TANGO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         8; Fig 1A; 227pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           \vdash
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RGRAVÇRELEFLEPLEQTRKSHGGQDGGRQDVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RGRAVCRPLPPLPPLPQTRKSHGGCDGGRQDVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TETSRSITTSPKESDSPAGFARQYYTKGNUVRICUGAVILIILAGTLAEDWHSRRKRLPH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          YSESSEDEVINSAPSDELELVVTGTSVTESELPTEPESSVAEESEATAELTVSETNKVET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     KISSSYQDQAVIETPAMKRELAGRYROSYCNOSINSIPSOQIETVATOVRAKESISNOP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GPAVSSGGDVTLQCQTRYGFDQFALYKEGDPAFYKNPERWYRASFPLLTVTAANSSTYRC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 XSESSEDEXT WSWESDELET VALUE OF A LABORAT AND LABORATOR L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        KUSSSRYQDQAVLETEANKRSLAGRYRCSYQNGSLWSLPSDQLELVATGVEAKESLSAQP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               339 AA;
                                                                                                                                                         268
                                                                                                                                                                                                                   (first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAF29471
                                                                                                                                                                                                                                                                                                                                       Protein: 339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (F)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 1786; DB 22;
Pred. No. 6.2e-141;
% Mismatches 0; 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ()
()
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ludels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (C)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              90
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           , .
ເຄ
```

```
cardiovascular disease; angina pectoris; myccardial infarction; coronary restensis; atherosclerosis; immunological disorder; developmental disorder; embryonic disorder; liver disorder; cerebral vascular disease; venous thromboembolism disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cerebral vascular disease; stroke; ischaemia; vencus thromboo leg swelling; pain; ulceration; pulmonary embolism; coronary cardiovascular disease; angina pectoris; myocardiai infarctic
                                                                                                                                                                                                                                                                                                                                                             Movel substantially purified antibody immunospecifically binding to TANGO 268 antigen, useful for treating bleeding disorders such as thrombocytopenia, stroke, ischemia, pulmonary embolism, atherosolerosis
                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2003-058477/05.
P-PSDB; ABX17291, ABX17290.
                                                                                                                                                                                                                                                                                                                               Disclosure; Figure 1; 235pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                   Qian
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        09-APR-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    degranulation; thrombocycopaenia; antibody; thrombotic disorder;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (MILL-) MILLENNIUM PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                               ist, villev,
Kingsbury
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2001US-0829495
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2002WO-US1::22
                                                                                                                                                                                                                                                                                                                                                                                                                                  villeval č,
gsbury G;
                                                                                                                                                                                                                                                                                                                                                                                                                                             Jandrot-Perrus
                                                                                                                                                                                                                                                                                                                                                                                                                                             ž,
                                                                                                                                                                                                                                                                                                                                                                                                                                             Vainchencker
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           thromboembolism;
                                                                                                                                                                                                                                                                                                                                                                                                                                             E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                disease
                                                                                                                                                                                                                                                                                                                                                                                                                                             911
                                                                                                                                                                                                                                                                                                                                                                                                                                             SG
```

CC This invention relates to a novel purified antibody comprising a covariable heavy (VH) complementarity determining region (CCR), WH CDR2 (CV VI CDR3), or variable light (VL) CDR2 (CV VI CDR3) and covariable heavy (VH) complementarity determining region (CCR), WH CDR2 (CV VI CDR3) and covariable light (VL) CDR2 (CV VI CDR3) and covariable light (VL) CDR3, VL CDR2 (CV VI CDR3) and covariable light (VL) CDR2 (CV VI CDR3) and covariable light (VL) CDR2 (CV VI CDR3) and covariable light (VL) CDR2 (CV VI CDR3) and covariable light covariable of the invention act to decrease or covariable in the invention act to decrease or covariable invention and lagregation blocker. The attibodies of the invention are useful for modulating proliferation, migration, covariable platelet and platelet endothelium interactions in confident and/or thrombosis, and modulating platelet aggregation and covariable providers and covariable in the covariable providers and covariable in the covariable providers and covariable providers associated covariated by these antibodies are thrombotic disorders, cerebral covariable diseases (e.g. diseases (e.g. diseases (e.g. diseases) covorary diseases (e.g. diseases) antibodies are thrombotic covariable covariables, actor covary diseases (e.g. disorders, cerebral covariable disorders, embryonic disorders, liver disorders, cerebral covariable disorders, embryonic disorders, liver disorders, cerebral covariable disorders, embryonic disorders, liver disorders, cerebral covariable disor transient decrease in platelet counts, platelet aggregation, a platelet activation and so have some advantages over prior art methods. The present sequence represents a protein sequence us create the antibodies of the invention. seguence used

Sequence 339 \$

Matches Query Match Best Local ( Similarity Conservative 100.0%; 100.0%; ς; Score 1786; DB 24; Pred. No. 6.2e-141; Mismatches 24; Indels Length 0 Gaps

8 Ş MSPSPTALFCLGLCLGRVPAQSGPLPKPSLQALPSSLVPLEKPVTLRCCGPPGVDLYRLE RSPSTALFCLGLCLGRVPAQSGPLPKPSLQALPSSVPLPKTVTLRCQGPPGVJLYRLE 60 63

339;

0

Saps

9

```
g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  გ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              $
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   유
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          $
                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2:
                      The present sequence is given in a specification relating to an isola mucleuc acid molecule encoding a platicle membrane glycoprotein racegy glycoprotein vi (GPVI), also called TANGO 268. The GPVI polynucleotic and polypeptides and their modulators, e.g. anuisense nucleic acids, ribozymes and annibodies, are useful for preventing, treating and diagnosing disorders associated with aberrant expression or activity GPVI. These disorders include bleeding disorders
                                                                                                                                                                                                                                                                                          New genes encoding human platclet-expressed collagen receptor glycoprotein VI, and its modulators, useful for preventing, t and diagnosing hemorrhagic disorders, thrombotic diseases and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Busfield SJ, Villel
Qian MD, Kingsbury
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        30-JUN-1999; 99US-0345468.
06-DEC-1999; 99US-0454824.
14-FEB-2000; 2000US-0503387.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            thrombolytic; antiarteriosclerotic; haemostatic; glycopyotein VI glatelet membrane glycopyotein receptor; bleeding disorder; blood vesseel injury; thrombotic disorder; haemorrhagic disorder; schaemia; cardiovascular disease; immunological disease; liver (
                                                                                                                                                                                                                           Disclosure;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           04-JAN-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Cuno.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  04 - APR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAB61273
     ô
                                                                                                                                                                                                                                                                           immunological disorders
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           30-JUN-2000; 2000MO-US18152
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (MILL-) MILLENNIUM PHARM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       sap:ens
                                                                                                                                                                                                                                                                                                                                                                                                                     2001-085877/09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   30:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               30:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                :8:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 121
  thrombocytopaenia),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TANGO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ŝ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TANGO 268;
                                                                                                                                                                                                                                                                                                                                                                                                AAF29484
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RGRAVQRELEPLEPLEÇTRKSHGGQDGGRÇDVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RGRAVORFLPFLFELPCTRKSHGGODGGRCOVHSRGIAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TETSRSITTSPKESDSPAGPARQYYTKGNLYRICLGAVILILAGELAEDWESRRKELEH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              YSESSEDEYLWSAPSDPLETVVTGTSVTPSRLPTBPPSSVABFSBATAELTVSFTNKVFT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            KUSSSNYQDQAVLFIPAMKRSLAGRYRCSYQNGSLWSLPSDQLELVATGVFAKPSLGAQP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  YSESSRDEYLWSAPSDELEUVVTGTSVTESRIPTEPESSVAEESEATAELTVSETMKVFT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GPAVSSGGDVTLQCQTRYGFDQFALYKEGDFAPYKNFERWYRASFFIITVTAAHSGTYRO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Page
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                268-related
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      268; cardiant; cerebroprotective; cytostatic;
antiarteriosclerotic; haemostatic; glycoprote
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Villelal J,
                                                                                                                                                                                                                           213-214;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cardiant;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                protein
  blood
                                                                                                                                                                                                                        227pp: English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Jandrot-Perrus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                #1
  vessei
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              À
  injury,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Vainchencker
  thrombotic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               339
                                                                                                                  ng to an isolated oprotein receptor polynucleotides
  disorders
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   anticoaguiant;
ein VI; GPVI;
                                                                                                                                                                                                                                                                                                                      treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              G111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        strcke
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 :80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               120
RESULT 4
AAB61274
AAB61274
AAB61274
AAB61274
AC AAB6
XXX Huma
XXX Huma
XXX Hom
X
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Β.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              유장
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ü
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ä
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    $
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SAGGGGGGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Sim
Matches 338;
                                                                                                                                            30-JUN-1999;
06-DEC-1999;
14-FEB-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (e.g. thrombotic occlusion of the coronary arteries), haemorrhagic disorders, coronary artery and cerebral artery diseases (e.g. stroke and ischaemia), cardiovascular diseases (e.g. atherosclerosis and myocardial infarction), immunological diseases (e.g. atherosclerosis and myocardial embryonic liver disorders. Freferably they are used to prevent acture cardiac ischaemia following angioplasty and metastatic cancers, especially of the colon and liver.
                         Çian
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  thrombolytic; antiarteriosclerotic; haemostatic; glycoprotein VI. platelet membrane glycoprotein receptor; bleeding disorder; blood vessel injury; thrombotic disorder; haemorrhagic disorder; schaemia; cardiovascular disease; immunological disease; liver of schaemia; cardiovascular disease; liver of schaemia; live
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAB61274
                                                  Busfield
                                                                                                                                                                                                                                               30-JUN-2000;
                                                                                                                                                                                                                                                                                               04-JAN-2001
                                                                                                                                                                                                                                                                                                                                                WC200100810-A1
                            3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       12:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3 O £
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   33.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TANGO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TANGO
                                                                                              MILLENNIUM PHARM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Similarity
                                                ŝJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RGRAVQRPLPPLPPLPQTRKSHGGQDGGRQDVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GPAVSSGGDVI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RGRAVQRPLPPLPPLPQTRKSHGGQDGGRQDVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TETSRSITTSPKESDSPAGPARQYYTKGNIVRICLGAVILIILAGFLAEDWHSRRKRIRH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TETSRSITTSPKESDSPAGPARQYYTKGNUVRICLGAVILIILAGFLAEDWHSRRKRLKH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 YSPSSRDPYLMSAPSDPLELUVTGTSVTPSRLPTEPPSSVABESBATAELTVSFTNKVPT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     YSESSROPYLWSAESOPLELVVTGTSVTPSRLFTEPESSVAEFSBATAELTVSETNKVET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GPAVSSGGDVTLQCQTRYGFDQFALYKEGDPAPYKNPERWYRASFPIITTVTANHSGTYRC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   KUSSSRYQUÇAVUFIPAMKRSLAGRYRCSYQNGSLWSUPSDQLELVATGVFAKFSUSAQP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            KISSSRYQDÇAVIFIPAMKRSLAGRYRCSYQNGSLWSIPSDQLELVATGVFAKPSLSAQP
                      Kingsbury
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ر
و ي ي
                                                                                                                                            99US-0345468.
99US-0454624.
2000US-0503387.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 268-related protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                               2000WC-US18152
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                268; cardiant; cerebroprotective; cytostatic; antiarteriosclerotic; haemostatic; glycoprot
                                                  villelal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ş.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 entry
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LOCCTRYGEDGFALYKEGDFAPYKNPERWYRASFPIITVTAAHSGTYRC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      99.8%;
99.7%;
                                                Ċ,
                                                  Jandrot-Perrus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 1782; D
Pred. No. 1.3e
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ζ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .36-140,
                                                  ž
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 22;
                                                  Vainchencker
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     S
S
S
S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
```

300

240

.80 .80

ξ.

GEIL

S

anticoaguiant; ein VI; GPVI;

stroke;

Gill

DS.

```
5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              $
                                                                                                                                                                                                                                                                                                                                       93
                                                                                                                                                                                                                                                                                                                                                                  Ŝ
                                                                                                                                                                                                                                                                                                                                                                                                  90
                                                                                                                                                                                                                                                                                                                                                                                                                          Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                            9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present sequence is given in a specification relating to an isolated controlled acid molecule encoding a platelet membrane glycoprotein receptor glycoprotein vi (GPU), also called TANGC 268. The GPVI polymorleotides and polypeptides and their modulators, e.g. antisonse nucleic acids, cribozymes and antibodies, are useful for preventing, treating and colding disorders associated with aberrant expression or activity of GPVI. These disorders include bleeding disorders (e.g. thrombotytopaenia), blood vessel injury, thrombotic disorders (c.g. thrombotic occlusion of the coronary artery arteries), haencribagic disorders, coronary artery and cerebral artery diseases (e.g. stroke and ischaemia), cardiovascular diseases (e.g. atherosolerosis and myocardial infarction), immunological diseases (e.g. platelet disorder) and cembryonic liver disorders. Proferably they are used to prevent acture cardial schaemia following angloplasty and metastatic cancers.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Ma
Best Loc
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New genes encoding human platelet-expressed collagen receptor, glycoprotein VI, and its modulators, useful for preventing, transcringsing hemorrhagic disorders, thrombotic diseases and immunological disorders.
                         Human; TANGO 268; cardiant; cerebroprotective; cytostatic; anticombrombolytic; antiarreriosclerotic; haemostatic; 9-ycoprotein VI; platelot membrane glycoprotein receptor; bleeding disorder; blood vessel injury; thrombotic disorder; haemorrhagic disorder; blood vessel injury; thrombotic disorder; haemorrhagic disorder;
                                                                                                                                                                                                  AAB61275
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                N-PSDB;
              ischaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ry Match
C Local Similarity
Ches 338; Conserv
                                                                                                                                                                                                                                                                             301
                                                                                                                                                                                                                                                                                                          301
                                                                                                                                                                                                                                                                                                                                        241
                                                                                                                                                                                                                                                                                                                                                                     241
                                                                                                                                                                                                                                                                                                                                                                                                    181
                                                                                                                                                                                                                                                                                                                                                                                                                               181
                                                                                                                                                                                                                                                                                                                                                                                                                                                              121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2001-080877/09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           :21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        61
                                                                                                          TANGO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAF29485
                                                                                                                                                                                                                                                                         RGRAVCRELPPLPPLPTREERGGCOGGRCVMSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GPAVSSGGDVTLOCOTRYGFDOPALYKEGDPAPYKKEERWYRASFPIITVLAAHSGTYRC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   standard;
                                                                                                                                                                                                                                                                                                                                                                     1
                                                                                                                                                                                                                                                                                                                                                                                                                 VSFSSRDPYLWSARSDFUELTVTGTSVTPSRLPTEPPSSVABFSSATABLITVSFTNKVFT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           KUSSSRYQDQAVLFIPAMKRSLAGRYRGSYQNGSLWSLPSDQLELVATGYFAKPSLSAGF
                                                                                                                                                                                                                                                                                                                                       TETSRSTTTSPKESDSPAGPARQYYTKGNLVRTCLGAVILLILAGFLAEDWISRRKKLRH
                                                                                                                                                                                                                                                                                                                                                                                                  YSESSROPYLWSAPSOPLELVVTGTSVTESRLPTERPSSVABESBATABLTVSFTNKVET
                                                                                                                                                                                                                                                                                                                                                                                                                                                               GPAVSSGGDV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         KISSSRYQDQVVLFIPAMKRSLAGRYRCSYQNGSIWSLPSDQLBIVATGVFAKPSISAGF
                cardiovascular
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              339
                                                                                                                                                                                                                                                                                                                                                       TSRSITTSPKESDSPAGPAGOYYTKONLVBICTGAVILIILAGYLASDWHSRBKETRH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Page 214-215;
                                                                                                     268-related protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ξ,
                                                                                                                                                                                               Protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               99.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            uqoqtaygedqealykegdeapyknpeawyraseptitytaahsgtyro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    227pp;
            disease; immunological disease; liver
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 1782; Di
Fred. No. 1.3e
0; Mismatches
                                                                                                                                                                                                  339
                                                                                                                                                                                                  ξ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 22;
L.3e-140;
                                                                                                                                                                                                                                                                                                          9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ت
. .
              disorder
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ្តនូក្ខន
ខេត្ត
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     en
C)
                                                                                                                                                                                                                                                                                                                                                                                                  240
                                                                                                                                                                                                                                                                                                                                                                                                                              240
                                                                                                                                                                                                                                                                                                                                                                                                                                                              180
                                                                                                                                                                                                                                                                                                                                                                     300
                                                                                                                                                                                                                                                                                                                                                                                                                                 Ş
                                                          y
                                                                                  Ş
                                                                                                                  B
                                                                                                                                                 Ş
                                                                                                                                                                                 h
                                                                                                                                                                                                         8
                                                                                                                                                                                                                                           9
                                                                                                                                                                                                                                                                      5
                                                                                                                                                                                                                                                                                                        ů.
                                                                                                                                                                                                                                                                                                                                  Ş
                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Sim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        glycoprotein VI, and diagnosing hammunological di
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present sequence is given in a specification relating to an isolated nucleic acid molecule encoding a platelet membershe glycopyrotein receptor glycopyrotein via (GPVI), also called ThMCG 268. The GPVI polynucleotides and polypoptides and their modulators, e.g. antisense nucleic acids, ribozymes and antibodies, are useful for preventing, treating and diagnosing disorders associated with abertant expression or activity of GPVI. These disorders unclude bleeding disorders (e.g. thrombody-opaenia), blood vessel injury, thrombotic disorders (e.g. thrombotic coclusion of the coronary arteries), haemorrhagic disorders, coronary artery diseases (e.g. stroke and ischaenia), cardiovascular diseases (e.g. atherosis and myocardial infarction), immunological diseases (e.g. platelet disorder) and embryonic liver disorders. Preferrably they are used to prevent acture and embryonic liver disorders. Preferrably they are used to prevent acture
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         30-CTN-1999;
06-DEC-1999;
14-FEB-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Busfield
Qian MD,
                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                           cardiac ischaemia following especially of the colon and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     30-JUN-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New genes encoding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WD200100810-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (MILL-) MILLENNIUM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   04-JAN-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2001-080877/09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               sapiens.
301
                                                          241
                                                                                       241
                                                                                                                       181
                                                                                                                                                  18:
                                                                                                                                                                                 121
                                                                                                                                                                                                               12:
                                                                                                                                                                                                                                            6;
                                                                                                                                                                                                                                                                           6;
                                                                                                                                                                                                                                                                                                                                     , ,
                                                                                                                                                                                                                                                                                                                                                                                    Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SC, Villel
Kingsbury
                                                                                                                                                                                 GPAVSSGGDVTLQCQTRYGFDQFALYXEGDPAPYKNPERWYRASPPILTATAAHSGTYRC
                                                                                                                                                                                                                                                                                                                          MSPSPTALFCIGICLGRVPAQSGPLPKPSLQALPSSLVPLEKFVTLRCQGPPGVDLYRLE
                 RGRAVQRPLPPLPPLPQTRKSHGGQDGGRQDVHSRGLCS
                                                                           TETSRSITTSPKESDSPAGPARQYYTKGNLVRICLGAVILIILAGFLAEDWHSRRKBLRH
                                                                                                                     YSFSSRDPYLWSAPSDPLELVVTGTSVTPSRLPTEPPSSVAEFSEATAELTVSPTNKVFT
                                                                                                                                    YSFSSRDPYLWSAPSDPLELVVTGTSVTPSRLPTEPPSSVÆEFSBATABLITVSFTNKVFT
                                                                                                                                                                                                    GPAVSSGGDVTLQCQTRYGFDQFALYKEGDPAPYKKPERWYRASPPILITVTAAHSGTYRC
                                                                                                                                                                                                                                              KISSSRYQDQAVIFIPANKRSIAGRYRCSYQNGSIWSLPSDQLELVATGVFAKPSISAQP
                                                                                                                                                                                                                                                              KISSSRYQDQAVLFIPAMKRSLAGRYRCSYQNGSIMSLPSDQLELVATGVFAKPSISAQP
                                                                                                                                                                                                                                                                                                          MSPSPTALFCLGLCLGRVPAQSGPLPKPSLQALPSSLVPLEKPVTLRCQGPPGVDLYRLE
 RGRAVQRPLPPLPPLPQTRKSHGGQDGGRQDVHSRGI
                                                                                                                                                                                                                                                                                                                                                                                                                                 ري
دي
دي
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Page 216; 227pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         99US-0345468.
99US-0454824.
2000US-0503387.
                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     coding human platelet-expressed collagen receptor,
VI, and its modulators, useful for preventing, treating
ng hemogrhagic disorders, thrombotic diseases and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2000WO-US18152
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               villelal
gsbury G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           disorders
                                                                                                                                                                                                                                                                                                                                                                                                                                 ξ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PHARM
                                                                                                                                                                                                                                                                                                                                                                                99.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ۲,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Jandrot-Perrus
                                                                                                                                                                                                                                                                                                                                                                    Score 1782; D
Pred. No. 1.3e
O; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                            angioplasty and metastatic liver.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           English
                                                                                                                                                                                                                                                                                                                                                                                    .3e-140;
                                                                                                                                                                                                                                                                                                                                                                                                  Ü
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ×
 SSC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Vainchencker
                              339
                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                 Length
                                                           ILAGFLAEDWHSRRKRLRH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cancers
                                                                                                                                                                                                                                                                                                                                                                                                    (1)
(2)
(3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Œ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              an isolated
ein receptor
```

180 120 120 ത

```
RESULT 6
AAB61276
 Ş
                                  당
                                                            Ş
                                                                                                                                                                               The present sequence is given in a specification relating to an isolated concoling a plateful membrane glycoprotein vi (GPVI), also called TAMGC 258. The GPVI polynuclentides and polypeptides and their modulators, e.g. annisense nucleic acids. CC and polypeptides and their modulators, e.g. annisense nucleic acids. CC ribozymes and antibodies, are useful for preventing, treating and cC diagnosing disorders associated with aberrant expression or activity of CC (e.g. thrombotic occlusion of the coronary arteries) hasmorinagic (e.g. thrombotic occlusion of the coronary artery diseases (e.g. stroke and ischaemia), cardiovascular diseases (e.g. atheroscieros and myocardial infarction), immunological diseases (e.g. atheroscieros; and myocardial cembryonic liver discorders, preferably they are used to prevent acture cardiac ischaemia following angioplasty and metastatic cancers.
                                                                                            Query Match
Best Local S
Matches 338
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New genes encoding human platelet-expressed collagen receptor, glycoprotein VI, and its modulators, useful for preventing, transd diagnosing homorrhagic disorders, thrombotic diseases and immunological disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       30 CTM-1999; 99US-0345468.
36-DEC-1999; 99US-0454824.
14-FEB-2300; 2003US-0503387.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            platelet membrane glycoprotein receptor; bleeding disorder; blood vessel injury; thrombotic disorder; hae orthagic disorder;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     N-PSDB; AAF29487.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          30-JUN-2000; 2000WO-US18152
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         04-JAN-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      W0200100810-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              04-APR-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ischaemia; cardiovascular disease; immunological disease; liver disorder
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              thrombolytic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FAB61276
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (MILL-) MILLENNIUM PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2001-380877/09.
   5,
                                                                                              al Similarity
338; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CHANGO
                              . .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TANGO 268; cardiant; cerebroprotective; cytostatic; anticoagulant; biytic; antiarteriosclerotic; haemostatic; glycoprotein VI; GPVI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              d SJ, ...
Kingsbury o
                             MSPSPTALFCLGSCLGRVPAQSGPLPKPSLQALPSSLVPLEKPVTLRCQGPPGVDLYRLE
                                                    MSESPTALECLGLOCGRYBAQSGBLBKBSLQALBSSLYBLEKBYTLROGGBBGVD1YRLB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          standard;
KLSSSRYÇDÇAVLETPAMKRSLAGRYRCSYQNGSLWSLPSDQLELVATGVEAKPSLSAQP
                                                                                                                                                          339
                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                        Page 217; 227pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          268-related protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Villelai J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Protein;
                                                                                                           99.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Jandrot-Perrus M,
                                                                                           Score 1782; a:
Pred. No. 1.3e
0: Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         339
                                                                                            0
                                                                                                         .3e-140;
                                                                                                                           ů
U
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Vainchencker W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          glycoprotein VI:
                                                                                            Indels
                                                                                                                        Length
                                                                                           Ċ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GE 2.7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                30
                              60
                                                             69
```

```
뮍
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      'n
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ő
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   片
This invention relates to a novel purified antibody comprising a variable heavy (VH) complementarity determining region (CDR), VH CDR2 or VH CDR3, or variable light (VL) CDR1, VL CDR2 or VL CDR3, and immunospecifically binding to a TANGO 268 (also referred as glycoprotein VI (GPVI)) antigen. The antibodies of the invention act to decrease or block TANGO 268 binding to extracellular matrix components, or as a collagen or platelet release and aggregation blocker. The antibodies of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human; mouse; variable heavy; Vi; antigen; cancer; complementarity determining region; TANGO 268; giycoprotein VI; GPVI; TANGO 268; extracellular matrix; collagen; plateiet release; proliferation; migration; embryogenesis; inflammation; thrombosis; degranulation; thrombocytopaenia; antibody; thrombotic disorder; cerebral vascular disease; stroke; ischaemia; venous thromboembolism; leg swelling; pain; ulceration; pulmonary embolism; coronary disease; cardiovascular disease; angina pectoris; myotardial infarction;
                                                                                                                                                                                            Novel
TANGO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Homo
                                                                                                                                                                                                                                                                                                                                                                                       09-APR-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                coronary restenosis; atherosclerosis; immunological disorder; developmental disorder; embryonic disorder; liver disorder;
                                                                                                                                                                                                                                                                                                                                                                                                                                                       W0200280968-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABU11239;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABU11239
                                                                                                                              Disclosure; Page 222-223; 236pp; English
                                                                                                                                                                                                                                                                                                                           (MILL-) MILLENNIUM PHARM INC
                                                                                                                                                                                                                                                                                                                                                         09-APR-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                         17-0CT-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     18.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     );
(2)
                                                                                                                                                                          substantially purified antibody immunospectifically binding t
268 antigen, useful for treating bleeding disorders such as
booytopenia, stroke, ischemia, pulmonary embolism, atherosocie
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    61
                                                                                                                                                                                                                                                                  1 SJ, Villey,
Kingsbury
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           standard; Protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RGRAVQRPLPPLPPLPQTRKSHGGQDGGRQDVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          YSFSSRDPYLWSAPSDFLELVYTGTSVTPSRLFTEPPSSVAEFSEATAELTVSFTNKVFT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GPAVSSGGDVTLQCQTRYGFDQFALYKEGDPAPYKNPERWYRASFPIITVTAAHSGTYRC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GPAVSSGGDVTLCCQTRYGFDQFALYKEGDPAPYKNPERWYRASFPIITVTAAHSGTYRC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   KLSSSRYQDQAVLFIPAMKRSLAGRYRCSYQNGSLWSLPSDQLBLVATGVFAKPSLSAQP 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RGRAVQRPLPPLPPLPQTRKSHGGQDGGRQDVHSRGLCS 339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TETSRSITTSPKESDSPAGPARQYYTKGNLVRICLGAVILIILAGFLAEDWHSRRKRLRH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       YSFSSRDPYLWSVPSDPLELVVTGTSVTPSRLPTEPPSSVAEFSEATAELTVSFTNKVFT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TSRSITTSPKESDSPAGPARQYYTKGNLVRICLGAVILLILAGFLABDWHSRRKRLAH
                                                                                                                                                                                                                                                                                                                                                           2001US-0829495
                                                                                                                                                                                                                                                                                                                                                                                         2002WO-US11122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ş
                                                                                                                                                                                                                                                                                          Villeval C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                associated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      disease; venous thromboembolism disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               entry
                                                                                                                                                                                                                                                                            (۲)
                                                                                                                                                                                                                                                                                           Jandrot - Perrus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                protein sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5
5
5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     :<
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11:
F 1
                                                                                                                                                                                                                                                                                           Vainchencker
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        333
                                                                                                                                                                                 atherosclerosis
                                                                                                                                                                                                                                                                                           Ę
                                                                                                                                                                                                               0.0
                                                                                                                                                                                                                                                                                           SS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       90
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       300
```

```
RESULT 8
ABULIAN
ID ABULI
XX
XX
ABULI
XX
COPP
COPP
COPP
COPP
KW COPP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ď,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         continuation and/or thrombosis, and modulating platelet associated with abnormal or aberrant megakaryocyte and/or platelet aggregation and continuation. They are also useful for modulating disorders associated with abnormal or aberrant megakaryocyte and/or platelet proliferation, consisted migration, morphology, differentiation and/or function, e.g. bleeding conditated by these antibodies are thrombotic disorders, cerebral conditated by these (e.g. stroke and ischaemia) venous thromboembolism conditated by these (e.g. stroke and ischaemia) venous thromboembolism conditated by these (e.g. stroke and ischaemia) venous thromboembolism conditated (e.g. diseases involving leg swelling, pain and ulceration, conditated (e.g. diseases (e.g. coronary diseases (e.g. cardiovascular conditions) atheroscierosis, etc) immunological disorders.

Conditionary embolism, etc) immunological disorders, cerebral covascular diseases, atheroscierosis, etc) immunological infarration, coronary diseases, coronary diseases, coronary diseases, cerebral conditar diseases, venous thromboembolism disease, coronary diseases, coronary diseases, and metastatic cancers. The antibodies of the invention only causes a coronary diseases in platelet counts, platelet aggregation, and/or methods. The present sequence represents a protein sequence used to create the antibodies of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches 338;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
Human; mouse; variable heavy; VH; antigen; cancer; complementarity determining region; TANGO 268; glycoprotein VI; GPVI; TANGO 268; extracellular matrix; collagen; platelen release; proliferation; migration; embryogenesis; inflammation; thrombosis; degranulation; thrombocytopaenia; antibody; thrombotic disorder; cerebral vascular disease; stroke; ischaemia; venous thromboembolism; leg.welling; pain; ulceration; pulmonary embolism; coronary disease; cardiovascular disease; angina pectoris; myocardial infarction; cardiovascular disease; arherosclerosis; immunological disorder;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     the invention are useful for modulating proliteration, migration, morphology, differentiation and/or function of megakaryocytes and platelets, including during development e.g. embryogenesis, modulieukocyte-platelet and platelet endothelium interactions in leukocyte-platelet and modulation of are et and properties.
                                                                                                                                                                                                                                                                                                      06-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                  ABU11240 standard; Protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ŝ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      YSESSADPYLWSAPSDPLELVVTGTSVTESRLPTEPPSSVAEFSEATAELTVSPTNKVET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MSBSPTALFCLGLCLGRAPAGSGFLFXPSLGVLPSS/VPLEKPTTRCGGPPGUTLYRLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RGRAVORPIPFLPPIPGTRKSHGGCDGGRCDVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GPAVSSGGDVTLOCQTRYGPDGFALYKEGEPAPYKNPERWYRASEPILITVTAAHSGTYRC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RGRAVQRPLEPLPPLPQTRKSHGGQDGGRQDVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TETSRSITTSPKESDSPAGPARQYYTKONLVRICLGAVILLILAGELAEDWESRRKRURH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GPAVSSGSDVTLQCQTRYGFDQFALYKEGDPAPYKNPERWYRASEP11TVTAAISGTYRC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               KLSSSRYODQAVLFIPANKASIAGRYROSYQNOSIMSLPSDQLSIVATGYFAKESLSAQF 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               THISRSITISPKHSOSPAGPARQYYTKGNLVRICLGAVILLILAGFLAHDWHSRRKRURH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    YSFSSRDYFYLWSAPSDPLELTVYTGTSVTRSRLPTEFPSSVABEFSBATABUTVSTTVKYFT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    KLSSSRYQDQAVLFIPAMKRSLAGRYRCSYQNGSLWSLPSDQLHLVATGVFAKPSLSAQF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         339 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                       S
                                                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                                                                       associated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   protein sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 1782; D
Pred. No. 1.3e
0: Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0
                                                                                                                                                                                                                                                                                                                                                                                                  ζ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 24;
                                                                                                                                                                                                                                                       #,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  333
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Inde.s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        modulating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               os
O
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    120
```

```
Novel substantially purified antibody immunospecifically binding to TANGO 268 antigen, useful for treating bleeding disorders such as thrombocytopenia, stroke, ischemia, pulmonary embolism, atherosclerosis
                                                                                                                                                                                                                                                                                               Cian
                                                                                                                                                                                                                                                                                 WPI; 2003-058477/05
                                                                                                                                                                                                                                                                                                     Busfield
                                                                                                                                                                                                                                                                                                                                 09-AFR-2001; 2001US-0829495
                                                                                                                                                                                                                                                                                                                                                                                                        developmental disorder; embryonic disorder; liver disorder; cerebral vascular disease; venous thromboembolism disease.
                                                                                                                                                                                                                                Disclosure;
                                                                                                                                                                                                                                                                                                                                                               17-0CT-2002
                                                                                                                                                                                                                                                                                                                                                                            WC200280968-A1
                                                                                                                                                                                                                                                                                                                   (MILL-) MILLENNIUM PHARM INC
                                                                                                                                                                                                                                                                                              Ä
                                                                                                                                                                                                                                                                                                     S
                                                                                                                                                                                                                                                                                             Kingsbury
                                                                                                                                                                                                                               Page 223-224; 236pp; English.
                                                                                                                                                                                                                                                                                                                                                2002WO-JS11122
                                                                                                                                                                                                                                                                                                     Villeval J,
                                                                                                                                                                                                                                                                                               <u>د</u>
                                                                                                                                                                                                                                                                                                     Jandrot-Perrus M,
                                                                                                                                                                                                                                                                                                     Vainchencker W,
                                                                                                                                                                                                                                                                                                     Gill DS;
```

or variable heavy (VH) complementarity determining region (CDR1, VH CDR2 or v4 CDR3) or variable light (VI) CDR2, VJ CDR2 or VL CDR3 and CDR3 including to a TANGO 268 (also referred as glycoprotein CVI (CDVI) antigen. The antibodies of the invention act to decrease or CD (CDVI) antigen. The antibodies of the invention act to decrease or CD (CDVI) antigen or platelet release and aggregation blocker. The antibodies of the invention act to decrease or CD (CDVI) antigen or platelet release and aggregation blocker. The antibodies of the invention are useful for modulating proliferation, migration, CD platelets, including development e.g. embryogenesis, modulating CD leukocyte-platelet and platelet-endothelium interactions in CD (comprisology, differentiation and/or platelet aggregation and CD degranulation. They are also useful for modulating disorders associated with abnormal or aberrant megakaryoute and/or platelet proliferation, CD disorders such as thrombocytopaenia. Other diseases which may be considered the vascular diseases (e.g. stroke and ischaemia) venous thromboembolism CD diseases (e.g. diseases involving legiswelling, pain and inceration, CD platelet activities, etc.); coronary diseases (e.g. cardiovascular CD diseases involving legiswelling, pain and inceration, CD coronary embolism, etc.); coronary diseases (e.g. cardiovascular CD diseases, atherosclerosis, etc.); immunological infarotion, coronary restriction cancers. The antibodies of the invention only causes a CD relatelet activation, and so have some advantages over prior art coronary diseases. The antibodies of the invention sequence used to create the antibodies of the invention. invention relates to a novel purified 339 AA; antibody comprising y a VH CDR2

```
밁
                                                               Ş
                                                                                           윉
                                                                                                                   Ş,
                                                                                                                                              Query Match
Best Local Sim
Matches 338;
               :21
                                         61
                                                                                                                                                             Similarity
                                                                                        KSPSPTALFCLGLCLGRVPAOSGPLPKPSLQALPSSLVPLEKPVTLRCQGPFGVDLYRLE
GPAVSSGGDVTLQCQTRYGFDQFALYKBGDFAPYKNFERWYRASFFITVTAAHSGTYRC 180
                                       KLSSRYÇDOVVLFIFAMKRSLAGRYRCSYÇNGSLWSLFSDQLELVATGVFAKPSLSAQF
                                                       KLSSSRYQDQAVLFIFAMKRSLAGRYRCSYQNGSLWSLFSDQLELVATGVFAKFSLSAQF 120
                                                                                                                                              Conservative
                                                                                                                                                          99.8%;
                                                                                                                                              Score 1782; D
Pred. No. 1.3e
C; Mismatches
                                                                                                                                                             .3e-140;
                                                                                                                                                                         S
C
                                                                                                                                                                        Length
                                                                                                                                               0
                                                                                             9
```

```
FEBRUARY STATES OF THE STATES 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            문
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     밁
variable heavy (WH) complementarity determining region (CDR), VH CDR2 or VH CDR3, or variable light (WH) CDR1, VL CDR2 or VL CDR3, and immunospecifically binding to a TANGC 268 (also referred as glycopromein VI (GPWI) antigen. The antibodies of the invention act to decrease or block TANGO 268 binding to extracellular matrix components, or as a COllagen or platelet release and aggregation blocker. The antibodies of the invention are useful for modulating proliferation, signation, morphology, differentiation and/or function of megakaryocytes and platelets, including during development e.g. embryognmesis, modulating leukcoyte-platelet and platelet-endothelium interactions in inflammation and/or thrombosis, and modulating of health of the control of megakaryocytes and platelet and platelet-endothelium interactions in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         leg swelling; pain; ulceration; pulmonary embolism; coronary disease; cardiovascular disease; angina poctoris; mycoardial infarction; coronary restenosis; atherosclerosis; immunological disorder; developmental disorder; embryonic disorder; liver disorder; cerebral vascular disease; venous thromboembolism disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human; mouse; variable heavy; VH; antigen; cancer; complementarity determining region; TANGO 268; glycoprotein VI; GEVI; TANGO 268; extracellular matrix; collagen; platelet release; proliferation; migration; embryogenesis; inflammation; thrombosis; degranulation; thrombocytopaenia; antibody; thrombotic disorder; cerebral vascular disease; stroke; ischaemia; venous thromboembolism;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel substantially purified antibody immunospecifically binding TAMGO 268 antigen, useful for treating bleeding disorders such as thrombocytopenia, stroke, ischemia, pulmonary embolism, atherosol
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             7 9
241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   09-APR-2001; 2001US-0829495
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          09-APR-2002; 2002WO-US:1122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Glycoprotein VI associated protein sequence
                                                                                                                                                                                                                                                                                                                                                                                                                      Disclosure;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WC200280968-AI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABU11241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (MILL-) MILLENNIUM FHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2003-058477/05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       24:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        d SJ, Vill
(, Kingsbury G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         standard; Protein; 339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RGRAVGRPLFFLPPLPOTRKSHGGCDGGRCDVHSRGLCS 339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TETSRSITTSPKESOSPAGPARQYYTKGNLVRICLGAVILIILAGFLAEDNESRRKRLEH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RGRAVÇREDELPELPQTRKSHGGQDGGRÇDVHSRGLCS 339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      YSESSROPYLWSAPSOPLELVVTGTSVTPSRLPTEPPSSVAEFSEATAELTVSETNKVET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GPAVSSGGDYTLQCQTRYGFDQFALYKEGDPAPYKNPERWYRASFFIITVTAAHSGTYRC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   YSFSSRDPYLWSAPSDPLELVVTGTSVTPSRLPTEPPSSVABFSEATAELTVSETNKVFT
                                                                                                                                                                                                                                                                                                                                                                                                                  Page
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ç
                                                                                                                                                                                                                                                                                                                                                                                                               236pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Jandrot-Perrus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Έ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Vainchencker
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 atherosclerosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ę
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            O
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               180
```

```
RESULT 10
ABU11242
ID ABU11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ß
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           á
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ğ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           degranulation. They are also useful for modulating disorders associated with abnormal or aberrant megakaryocyte and/or platelet proliferation, comigration, morphology, differentiation and/or function, e.g. bleeding disorders such as thromboytopaenia. Other diseases which may be commodulated by these antibodies are thrombootic disorders, cerebral consists of the diseases which may be consisted by these antibodies are thrombootic disorders, cerebral confidences (e.g. diseases involving leg swelling, pain and ulceration, compulmentary embolism, etc); coronary diseases (e.g. cardiovascular consessis, atheroscierosis, myocardial infarction, coronary consistences, atheroscierosis, etc); inmunological disorders, cerebral confidences, and disorders, embryonic disease, coronary diseases, and metastatic cancers. The antibodies of the invention only causes a cransient degreease in platelet acounts, platelet aggregation, and/or consistence carcases and so have some advantages over prior art metaste the antibodies of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Chery Match
Best Local S
Matches 338
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABU:1242
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         06-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABU11242
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      12:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       al Similarity
338; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        6:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           6,1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ١...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ᆫ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         standard; Protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RGRAVQRPLPPLPPLPQTRKSHGGQDGGRQDVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TETSRSITTSPKESDSPAGPARQYYTKGNLVRICLGAVILIILAGFLAEDWHSRRKKLRH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          YSFSSRDPYLWSAPSDPLELVVTGTSVTPSRLPTSPPSSVABFSSATAELTVSFTNKVFT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GPAVSSGGDVTLQCQTRYGFDQFALYKEGDPAPYKNPERWYRASFPIITATAAHSGTYRC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GPAVSSGGDVTDQCQTRYGFDQFALYKEGDPAPYKKFERWYRASFFIITVTAAHSGTYRC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     KLSSSRYQDQAVLFIPAMKRSLAGRYRCSYQNGSLWSLPSDQLELVATGVFAKPSLSAQP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CASSERVOTAVIATORIANA SAAGRADA SA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MSPSPTALFCCGLCLGRVPAQSGPLPXPSLQALPSSLVPLEXPYTLRCQGPPGVCLYRLS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RGRAVQRPLPPLPQTRKSHGGQDGGRQDVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      YSFSSRDPYLWSAPSDPLELVVTGTSVTPSRLPTEPPSSVAEFSEATAELTVSFTNKVFT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (2)
(2)
(9)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                99.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 1782; DB 24;
Pred. No. 1.3e-140;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LILAGFLAEDWHSRRKRLRH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      180
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               160
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             300
```

```
Human; mouse; variable heavy; VH; antigen; cancer; complementarity determining region; TANGC 268; glycoprotein VI; GPVI; TANGC 268; extracellular matrix; collagen; platelet release; proliferation; migration; embryogenesis; inflammation; thrombosis; degranulation; thrombosytopaenia; antibody; thrombotic disorder; cerebral vascular disease; stroke; ischaemia; venous thrombomboblism; cerohar disease; stroke; ischaemia; venous thrombomboblism; leg swelling; pain; ulceration; pulmonary embolism; coronary disease; angina pectoris; myocardial infarction; cardiovascular disease; angina pectoris; myocardial infarction; coronary disease; cardiovascular disease; angina pectoris; myocardial disease;
     developmental disc
cerebral vascular
                                                                                                   coronary restenosis; atherosclerosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              S
disorder; embryonic disorder; liver disorde ular disease; vencus thromboembolism disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              associated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    protein sequence #4.
                                                                                        nary embolism; coronary disease
is; myocardial infarction;
immuno_cgical disorder;
```

Ş 25

```
S
                                                                                                                                                                                                                                                                  ti
ti
                                                                                                                                                                                                                                                                                                                                                                                                                                           S
                                                                                      Ŗ.
                                                                                                                                Ş
                                                                                                                                                                           В
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CC variable heavy (VH) complementarity determining region (CDR); WH CDR2 or variable heavy (CDR) complementarity determining region (CDR); WH CDR2 CC or vH CDR2 or variable light (VL) CDR1, VL CDR2 or VL CDR3, and CC immunospecifically binding to a TANGC 268 (also referred as glycoprotein (CDR) (CDR2) antigen. The antibodies of the invention act to decrease or CC block TANGC 268 binding to extracellular matrix components, or as a CC collagen or platelet release and aggregation blocker. The antibodies of the invention are useful for modulating proliferation, migration, of ferentiation and/or function of megakaryocytes and CC platelets, including during development e.g. embryogenesis, modulating CC enhances and/or function of megakaryocytes and CC inflammation and/or function of megakaryocytes and CC degranulation. They are also useful for modulating disorders associated with abnormal or aberrant megakaryocyte and/or function, e.g. blocking CC disorders such as thrombocytopeania. Cother diseases which may be constituted by those antibodies are thrombotion disorders, cerebral CC diseases (e.g. diseases involving Leg swelling, pain and ulceration, CC diseases (e.g. diseases involving Leg swelling, pain and ulceration, CC diseases (e.g. diseases involving Leg swelling, pain and ulceration, CC diseases (e.g. diseases involving Leg swelling, pain and ulceration, CC diseases (e.g. diseases involving Leg swelling, pain and ulceration, CC diseases (e.g. diseases (e.g.) immunological disease, cerebral CC diseases (e.g. diseases (e.g.) immunological disease, cerebral CC diseases (e.g. diseases (e.g.) immunological disease, cerebral CC diseases (e.g. diseases) (e.g.) immunological disease, cerebral CC diseases, cerebral counts, painted aggregation, and/or counts of the invention only causes a CC transituted accrease in platelet counts, platelet aggregation, and/or counts of the invention only causes and counts of the invention and counts of the invention only causes and counts of the invention and counts of the invention of
                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Sin
Matches 338;
                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; Page 226; 236pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Movel substantially purified antibody immunospecifically binding to TANGO 268 antigen, useful for treating bleeding disorders such as thrombocytopenia, stroke, ischemia, pulmonary embolism, atherosolorosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Busfield SJ, Villeval J, Candrot-Perrus M, 
Qian DM, Kingsbury G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         09-APR-2001; 2001US-0829495
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     09-APR-2002; 2002WO-USIL122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                17-CCT-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WC20C28C968-A1
                                         181
                                                                                    121
                                                                                                                                :21
                                                                                                                                                                           61
                                                                                                                                                                                                                    61
                                                                                                                                                                                                                                                                                                                                                                           Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MILLENNIUM PHARM INC
                    YSFSSRDPYLWSAPSDPLELVVTGTSVTPSRLFTEPPSSVAEFSEATAELTVSFTNKVFT
                                                                                                                                                                                                                                                       MSPSTALFCUGLCLGRVPAGSGPLPKPSLQALPSSLVPLEXPVTLRCQGPPGVDLYRLE
                                                                                                             KLSSSRYQDQAVLFIPAMKRSLAGRYRCSYQNGSLWSLPSSQLELVATGYFAKPSLSAQP
                                                                                                                                                                                                                                                                                       NSPSETALFCIGICIGRVPACSGPIPKPSIQALFSSIVPIZKPVITRCCGPPGVGUYRLE
                                                                                                                                                                      KLSSSRYQDQAVLFIPAMKRSLAGRYRCSYQNGSLWSLPSDQLELVATGVFAKPSLSAQP
YSFSSRDPYLWSVPSDPLELVVTGTSVTPSRLPTEPPSSVAEFSEATAELTVSFTNKVFT
                                                                                                                                                                                                                                                                                                                                                                                                                                           323
                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                           ξ,
                                                                                                                                                                                                                                                                                                                                                                         99.6%;
99.7%;
                                                                                                                                                                                                                                                                                                                                                Score 1782; D
Fred. No. 1.3e
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                    0,.
                                                                                    DOFALYKEGDPAPYKNPERWYRASFPIITVTAAHSGTYRC
                                                                                                                                                                                                                                                                                                                                                                         .3e-140;
                                                                                                                                                                                                                                                                                                                                                                                             28 24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Vainchencker W,
                                                                                                                                                                                                                                                                                                                                                                                           Length 339;
                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                  <u>်</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gill DS;
240
                                         240
                                                                                    180
                                                                                                                           183
                                                                                                                                                                                                                                                             60
```

Query Match

99.1%;

Score 1770;

DB

22;

Length 339

339

```
RESULT 11
AAB31668
                    or a numbrane process. The protein is used as an antigen to prepare antibodies. The polymiclectide sequence is useful as a source of probes for genetic diagnosis. It is also useful for producing the protein in large quantities and for gene therapy. The enkaryotic cells are used for detecting the receptors or ligands corresponding to the protein and for detecting small novel pharmaceuticals. The antibodies are also used for detecting, guantification and purification of the proteins. Both the scurces or supplements. The protein may have cytokine and cell scurces or supplements. The protein may have cytokine and cell proliferation/differentiation activity, immune stimulating or suppressing activity, hemacopoiesis regulating activity, tassue growth activity, activity, and tumour inhibition activity. It may therefore may be used to treat immune deficiencies resulting from autoimmune disorders or infectious disease, parkinson's disease, induce fertility, improve
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Kato
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 1; Page 88-90; 151pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human; hydrophobic protein; secretory protein; membrane protein; sepsin; tumour inhibition; immune deficiency; autonumune discret; hanaemia; burn; infectious disease; cancer; uicer; periodontal disease; coagulation; Parkinson's disease; fertility; immune response; thrombosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The protein possesses a hydrophobic domain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       have activities
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      N-PSDB; AAF25158, AAF25168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    C8-JUL-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  18-JAN-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WC200104297-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Amino acid sequence of a human protein having a hydrophobic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAB31668
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  isolated human proteins and polynuclectides are used in research and nave activities including cell proliferation/differentiation activity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 16-JUN-2000; 2000WO-JP03942
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SAGAMI CHEM RES CENT PROTEGENE INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   standard; Protein; 339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RGRAVQRPLPPLPPLPQTRKSHGGQDGGRQDVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TETSRSITTSPKESDSPAGPARQYYTKGNLVRICLGAVIL11LAGFLAEDWHSRRKRLRH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TETSRSITTSPKESDSPAGPARQYYTKONLVRICLGAVILILAGELAEDAWSRRKRLRH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Kimura
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RGRAVQRPLPPLPPLPQTRKSHGGQDGGRQDVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    99JP-0194359
      and
      enhance
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         hydrophobic domain
coagulation
      or inhibit thrombosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           protein with
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      and so is a secretory protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     domain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                300
```

of O

```
RESULT 12
AAY72790
ID WAY72
XX AAY72
XX AAY72
XX AAY72
XX Human
XX Human
XX Human
XX Homo
XX H
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; platelet me vascular disease;
                                                                                                                          01-SEP-1999;
08-CCT-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAY72790
                               Tandon
                                                                                                                                                                                                     C1-SEP-2000; 2000WC-US23975
                                                                                                                                                                                                                                                                                                     WC200116321 - A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           31-MAY-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAY72790
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Lccal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      191
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         12:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ω
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1.
1.2
1.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         platelet
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        6
                               2
                                                                              OTSUKA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RGRAYORFLEFLFFLFCTRKSHGGQDGGRCDVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GPAVSSOGDVTLQCQTRYGFDQFALYKBQDPAPYKKFERWYRASFPIITTVTAHESGTYRC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WSBSPTALFCLGLCLGRVPAQSGPLPKPSLQALPSSLVPLEXPVTLRCQGPPGVDLYRLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TETSRSITTSPKESDSPAGPAGQYYTKGNUVRICUGAVILLILAGFLAEDWHSERKRIRH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        KLSSSRYQDQAVLETEAMKESLAGRYRCSYQMGSLMSLESDQLELVATGVEAKESLSNQE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TETSRSITASPKESDSPAGPARQYYTKGNIVRICIGAVILIILAGFLAEDWHSRRKRLRH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                YSPSSPOPYLKSAPSOPLELIVVTGTSVTPSRLPTRPPSSVAEFSEATAELTVSFTKEVFT
                               Sun
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ifirst
                            'n
                                                                                                                          99US-0152197
99US-0158251
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              membrane glycoprotein VI; GPVI; thrombolycic; therapy;
e; thrombosis.
                                                                                                                                                                                                                                                                                                                                                                              /ncte=
                                                                                                                                                                                                                                                                                                                                                                                                                             /ncte=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (GPVI) p
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /label= Signal_peptide
24..339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /note= "Mature platelet membrane glycoprotein
(GPVI) protein"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /note= "Encoded
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /label=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Protein;
                               Nakamura
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        entry)
                                                                              3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 59.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Encoded
                                                                                                                                                                                                                                                                                                                                                       "Encoded
                                                                                                                                                                                                                                                                                                                                                                                                      "Encoded
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Extracellular_domain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       glycoprotein
                               H
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Pred. No. 1.3:
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                    Š.
                                                                                                                                                                                                                                                                                                                                                                                                   γď
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ϋ́ς
                            Yamamoto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   by TTC"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           <u>'</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       No. 1.3e-139;
smatches 2;
                                                                                                                                                                                                                                                                                                                                                       CCC'
                                                                                                                                                                                                                                                                                                                                                                                                      CCC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       A40"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GPVI)
                            z
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ري
د د د
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ري
دي
دي
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ;
:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    نبا
()
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (A)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (D)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (D)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    N
N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    60
AAB61257
ID AAB61257
XX AAB61257
XX AAB6
XX AAB6
CT 04-AE
CT 04-AE
CT WATU
XX Human
KW Human
KW China
KW Canna
KW Canna
KW Canna
XX Homo
XX Hom
XX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   당
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Β̈́
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ն
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 C)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local S
Matches 336
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The present sequence is a human platelet membrane glycoprotein VI (GPVI). The medicament comprising GPVI is useful for treating vascular disease, and for reducing platelet activation which involve contacting platelets with the medicament. The extracellular portion GPVI is used therapeutically to attenuate platelet activation and aggregation and to treat thrombosis and other vascular diseases. Antibodies generated against GPVI are used as research and Antibodies generated against GPVI are used as research and
                                                                                                                                                                                             Human; TANGO 268; cardiant; cerebroprotective; cytostatic; anticoagulant; thrombolytic; artisteeriosclerocic; haemostatic; glycoprotein VI; GPVI; platelet membrane glycoprotein receptor; bleeding disorder; blood vessel injury; thrombotic disorder; haemorrhagic disorder; stroke; ischaemia; cardiovascular disease; immunological disease; liver disorder;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Anti-thrombotic medicament, comprising a polypeptide having : extracellular domain of placelet membrane glycoprotein vi or variant, useful for treating a vascular disease and reducing activation -
                                                                                                                          Homo
                                                                                                                                                                                                                                                                                                                                                    Mature human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Seguence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            variant, un
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2001-226691/23
N-PSDB; AAD02855.
                                                                        WO200100810-A1
                                                                                                                                                                                                                                                                                                                                                                                                   04-AFR-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AA561257
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 rmmunotherapeutic agents
                                                                                                                          sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             18:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               al Similarity
336; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              191
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RGRAVORPLPPLPPLPCTRKSHGGQDGGRQDVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         YSFSSRDPYLMSAPSDPLELVVTGTSVTPSRLPTEPPSSVAEFSBATAELTVSFTNKVFT
|||:|||:|||:|||:|||:|||:|||:||
YSFSSRDPYLMSAPSDPLELVVTGTSVTPSRLPTEPPSSVAEFSBATAELTVSFTNKVFT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GPAVSSGGDVTLQCQTRYGFDQFALYKEGDPAPYKNPERWYRASFPIITVTAAHSGTYRC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              KLSSSRYÇDQAVLEIPAMKRSLAGRYRCSYÇNGSLWSLPSDQLELVATGVFAKBSLSAQP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              KLSSSRYQDQAVLFIPAMKRSLAGRYRCSYQNGSLWSLPSDQLELVATGVFAKPSLSAQP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NSPSETALFCLGLCLGRVPAQSGPLEKPSLQALESSLVPLEKPVTLRCQGPPGVDLYRLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RGRAVQRPLPPLPPLPQTRKSHGGQDGGRQDVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TETSRSITTSPKESDSPAGPARQYYTKGNLVRICLGAVILIILAGFLAEDWHSRRKRLRH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TETSRSITTSPKESDSPAGPARGYYTKGNLVRICLGAVILIILAGFLÆEDWHSRRKÆLRH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GPAVSSGGDVTLQCQTRYGFDQFALYKEGDPAPYKNPERWYRASFB1ITVTAAHSGTYRC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    339 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               98.5%;
ilarity 99.1%;
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        915
                                                                                                                                                                                                                                                                                                                                                    TANGO
                                                                                                                                                                                                                                                                                                                                                                                                   (first
                                                                                                                                                                                                                                                                                                                                                  268 protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        74pp; English
                                                                                                                                                                                                                                                                                                                                                                                                entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      319
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 1759; DB 22; pred. No. 1.1c-138; 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ξ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               reducing platelet
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   333;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           involves
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
```

180 180 120 120 on O

240

300 300

Ş 밁 Ş 5 Ş 9 5 D, Ş ß S

```
RESULT 14
AAB49403
ID AAB49
XX
AC AAB49
XX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ş
                                                                                                                                                                                                                                              문
                                                                                                                                                                                                                                                                            Ş
                                                                                                                                                                                                                                                                                                                          Ŗ.
                                                                                                                                                                                                                                                                                                                                                                   8
                                                                                                                                                                                                                                                                                                                                                                                                              8
                                                                                                                                                                                                                                                                                                                                                                                                                                                Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ж
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CC The present sequence is given in a specification relating to an isolated considered acid molecule encoding a platelet membrane glycoprotein receptor cy glycoprotein vi (GPVI), also called TANGO 258. The GPVI polymicleotides cand polypoptides and their modulators, e.g. antisense mudlet acids, ribozymes and antibodies, are useful for preventing, treating and colding consisting disorders associated with aberrant expression or activity of GPVI. These disorders include bleeding disorders

CC (e.g. thrombotytopaenia), blood vessel injury, thrombotic disorders (e.g. thrombotic occlusion of the coronary arteries) haemorinagin consciences, coronary artery and cerebral artery diseases (e.g. stroke and ischaemia), cardiovascular diseases (e.g. atherosclerosis and myocardial confarction), immunological diseases (e.g. atherosclerosis and myocardial confarction), immunological diseases (e.g. platelet disorder) and cembryonic liver disorders and preferably they are used to prevent acture cardian ischaemia following anglophasty and metastatic cancers, and especially of the colon and liver.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity Matches 319; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       30-JUN-1999;
06-DEC-1999;
14-FEB-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Busfield
Qian MD,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New genes encoding human platelet-expressed collagen receptor, glycoprotein VI, and its modulators, useful for preventing, transd diagnosing hemorrhagic disorders, thrombotic diseases and immunological disorders.
                       AAB49403;
                                                            AAB19403
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WFI; 2001-080877/09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (MILL-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           30-JUN-2000;
                                                                                                                                                                                                 32:
                                                                                                                                                                                                                                              241
                                                                                                                                                                                                                                                                                     261
                                                                                                                                                                                                                                                                                                                                                                       201
                                                                                                                                                               301
                                                                                                                                                                                                                                                                                                                              181
                                                                                                                                                                                                                                                                                                                                                                                                                121
                                                                                                                                                                                                                                                                                                                                                                                                                                                      141
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MILLENNIUM PHARM INC
                                                                                                                                                                                                                                            STAGESTAGESSEARAGESTSARARSEANDESTSATSWISSEASSARSSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEASSARSEA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SJ, Villelal
Kingsbury G;
                                                              standard;
                                                                                                                                                               SHGGQDGGRQDVHSRGLCS
                                                                                                                                                                                      SHGGQDGGRQDVHSRGLCS
                                                                                                                                                                                                                                                                                                                                VVTGTSVTPSRIPTEPPSSVAEFSBATAELTVSFTNKVPTTETSRSITTSPKESDSPAGP
                                                                                                                                                                                                                                                                                                                                                          VVTGTSVTPSRLPTEPPSSVAETSEATAELTVSETNKVFTTETSRKSITTSPKESDSPAGP
                                                                                                                                                                                                                                                                                                                                                                                                                DOFALYKEGDFAPYKNPERWYRASFPIITVTAAHSGTYRCYSFSSRDPYLWSARSDPLEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                    DOFALYKEGUPAPYKNPERWYRASFPIITVTAAHSGTYRCYSESSROPYLWSABSOPLEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             QSGPLPKPSLQALPSSLVPLEKPVTLRCQGPPGVDLYRLEKLSSSRYQDQAVLETPAKKR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            319 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Fig 2; 227pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2000US-0503387.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2000WC-US18152
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            99US-0345468.
99US-0454824.
                                                              Protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                94.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ۲
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Candrot-Perrus
                                                              9,5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 1678; DB 22;
Pred. No. 6.1e-132;
0; Mismatches 0;
                                                                                                                                                               હ્યું
1-1
10
                                                                                                                                                                                                     339
                                                              Ļ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       <u>'</u><
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Vainchencker W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3:9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       G1 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       26
                                                                                                                                                                                                                                                                                                                                                                       260
                                                                                                                                                                                                                                                                                                                                                                                                                180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             e)
e)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      အ
(၁
                                                                                                                                                                                                                                                 300
                                                                                                                                                                                                                                                                                                                              240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0
                                                                                                                                              g
                                                                                                                                                                            Ş
                                                                                                                                                                                                                         2
                                                                                                                                                                                                                                                             Ś
                                                                                                                                                                                                                                                                                                        Я
                                                                                                                                                                                                                                                                                                                                               Ş
                                                                                                                                                                                                                                                                                                                                                                                        Я
                                                                                                                                                                                                                                                                                                                                                                                                                             Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local S
Matches 319
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present sequence is human glycoprotein VI (GPVI) mature protein. GPVI is a platelet membrane glycoprotein which forms a complex together with the Fegamma common subunit, which is critical for platelet activation in response to collagen. GPVI is useful as a screening tool for detecting specific inhibitors of platelet-collagen interactions, and as a marker for platelet age and platelet exposure to thrombottc and cardiovascular disorders. GPVI is also useful for the manufacture of medicaments in the therapeutic field of thrombotic and cardiovascular events, and disorders related to platelet-collagen interactions.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2001-007394/01
N-PSDB; AAC83980.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Recombinant human glycoprotein VI, usoful for treating thrombotic cardiovascular diseases or platelet-coilage: interactions -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     07-MAY-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cardiovascular
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Clemetson
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           25-APR-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         W0200068377-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  icmo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              platelet membrane
platelet-collagen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         05-MAR-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (MERE ) MERCK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    16-NOV-2000
15
                                                            301
                                                                                                                                           241
                                                                                                                                                                                                                           181
                                                                                                                                                                                                                                                                    201
                                                                                                                                                                                                                                                                                                           121
                                                                                                                                                                                                                                                                                                                                                 د و
دعو
د و
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       319;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              glycoprotein
                                                                                                                                                                                                                                                                                                                                                                                          6
                                                                                                                                                                                                                                                                                                                                                                                                                               8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            thrombolytic; cardiant; glycoprotein VI; GPVI, et membrane glycoprotein; platelet activation; et collage, interaction; thrombotic disorder;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Fig
                                                                                                                                                                                                                                                                                                        SHGGQDGGRQDVHSRGLCS
                                                                                                                                                                   ARCYYTKGNIVRICLGAVILIILAGFLAEDWHSRRKRIRHRGRAVORFLPFLPPLPQTRK
                                                                                                                                                                                                                                                 VVTGTSVTPSRLPTEPPSSSVÆFFSBATÆELTVSFTNKVFTTETSRSITTSPKESDSPAGP
                                                                                                                                                                                                                                                                                                                                                                                        SLAGRYRCSYQWGSLWSLESDQLELVATGVFAKESLSAQEGPAVSSGGDVT1QCQTRYGE
                                                                                                                                                                                                                                                                                                                                                                                                                SLAGRYRCSYQNGSLWSLFSDQLELVATGVFAKFSLSAQFGFAVSSGGDVTLGCCTRYGF
                                                            SHGGQDGGRQDVHSRGLCS
                                                                                                                                         ARQYYTKGNLVRICLGAVILIILAGELAEDWHSRRKRLRHRGRAVQRPLPPLPPLPQTRK
                                                                                                                                                                                                                           VVTGTSVTPSRLPTEPPSSVAEFSEATAELTVSFTNKVFTTETSRSITT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         319 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2000WO-EP03683
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PATENT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             disorder
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9922-0109094
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      27pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ΙV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 94.0%; Er
100.0%; Er
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         entry
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GMBH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              mature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 1675; DB 22;
Pred. No. 6.1e-132;
C; Mismatches C;
                                                              319
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              protein
```

Length Indels

:)

Gaps

60 a C

:20 140

180

3 C C

```
ABU11223
    This invention relates to a novel purified antibody comprising a covariable heavy (VH) complementarity determining region (CDR). WH CDR2 cor VH CDR3, or variable light (VL) CDR2 or VL CDR2 or VL CDR3, and CDR2 cor VH CDR3, or variable light (VL) CDR2 or VL CDR3, and CDR2 cor VH CDR3, and CDR3, and CDR3, and CDR3, antibodies of the invention act to decrease or CD block TANGO 268 binding to extracellular matrix components, or as a CD context of the invention are useful for modulating proliferation, migration, comprisingly differentiation and/or function of megakaryocytes and CD platelet, including during development e.g. of megakaryocytes and CD platelet, including during development e.g. of megakaryocytes and CD platelet, including during development e.g. of megakaryocytes and CD platelet, including anylatelet-endothelium interactions in modulating platelet aggregation and CD platelets, or and platelet-endothelium interactions in the family are also useful for modulating platelet aggregation and CD platelet aggregation and CD disparation, morphology, differentiation, and/or platelet proliferation, CD migration, morphology, differentiation, and/or platelet proliferation, CD migration, morphology, differentiation, or modulating disparation, e.g. bleeding CD disparation antibodies are thrombotic disparates, cerebral CD wascular disparates antibodies are thrombotic disparates, cerebral CD vascular disparates, etc); coronary disparates (e.g. cardiovascular CD disparates, remove thrombotic disparates, coronary disparate, liver disparates, cerebral CD developmental disparates, embryonic disparates, paration, coronary disparate, antibodies of the invention only causes a CD transient decrease in platelet counts, platelet aggregation, and/or methods. The modulation and so have some advantages over prior art
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human; mouse; variable heavy; VH; antigen; cancer; complementarity determining region, TANGO 268; glycoprotein VI; GPVI; TANGO 268; extracellular matrix; collagen; platelet release; proliferation; migration; embryogenesis; inflammation; thrombosis; degranulation; thrombocytopaenia; antibody; chrombotic disorder; cerebral vascular disease; stroke; ischaemia; venous thromboembolism; cerebral vascular disease; stroke; ischaemia; venous thromboembolism; leg swelling; pain; ulceration; pulmonary metholism; coronary disease; angina pectoris; myocardial infarction; coronary restenosis; atherosclerosis; immunological disorder; developmental disorder; embryonic disorder; liver disorder;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Novel substantially purified antibody immunospecifically binding to TANGO 260 antigen, useful for treating bleeding disorders such as thrombodytopenia, stroke, ischemia, pulmonary embolism, atherosclerosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Busfield SJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    09-APR-2001; 2001US-0829495
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     09-APR-2002; 2002WO-US11122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; Page 211-212; 236pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               W0200280968-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cerebral vascular disease; venous thromboembolism disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          06-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABU11223
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABU11223 standard; Protein; 319 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (MILL-) MILLENNIUM PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TANGO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Kingsbury G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           268
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Villeval J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           mature protein.
  sequence represents a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Candrot-Perrus M, Vainchencker W,
protein seguence
  used to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GELL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DS:
```

```
Ş
                                                    9
                                                                         Š
                                                                                                  5
                                                                                                                          Ş
                                                                                                                                                      93
                                                                                                                                                                          Ş
                                                                                                                                                                                                      문
                                                                                                                                                                                                                               Ş
                                                                                                                                                                                                                                                            믕
                                                                                                                                                                                                                                                                                ्
                                                                                                                                                                                                                                                                                                            Matches 319;
                                                                                                                                                                                                                                                                                                                        Best Local Similarity
                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                               Seguence
                                                                                                                                                                                                                                                                                                                                                                                       create the antibodies
                          321
                                                    241
                                                                             261
 301
                                                                                                     181
                                                                                                                             201
                                                                                                                                                      121
                                                                                                                                                                    21
                                                                                                                                                                                                                      SLAGRYRCSYCNGSLWSLPSDCLBLVATGVFAKFSLSAQPGFAVSSGGDVTLQCCTRYGF 140
                                                                                                                                                                                                                                                                       CSGPLPKPSLQALPSSLVPLEKPVTLRCCGPPGVDLYRLEKLSSSRYCDQAVLFIPAMKR
                 SHGGQDGGRQDVHSRGLCS
                                                                                                                                                     DQFALYKEGDPAPYKNFERWYRASPPITTVTAAHSGTYRGYSFSSRDPYLWSAPSDPLEL
                                                                                                                                                                                                      SLAGRYRCSYQNGSIWSLPSDQLBLVATGVFAKPSLSAQPGFAVSSGGDVTLQCQTRYGF
SHGGODGGRODVHSRGLCS
                                                     ARQYYTKGNIVRICIGAVILIIILAGFIAEDWHSRRKRLRHRGRAVORPLPPLPPI.POTRK
                                                                    APQYYIKGNIVRICIGAVIIIILAGFIAEDWESRRKRIRESGRAVORFIPPLPDIPOTRK
                                                                                                    VVTGTSVTPSRLPTERRSSVÆFSEATÆLTVSFTNKVFTTETSRSITTSPKESDSPAGP
                                                                                                                        VVTGTSVTPSRLPTSPSSSVAEFSSATAELTVSFTNKVFTTETSRSITTSPKESDSPAGP
                                                                                                                                                                                                                                                           QSGPTEKPSIQALPSSIVPTEKPVTIRCQGPPGVDLYRIEKISSSRYQDQAVIFIPANKR
                                                                                                                                                                                                                                                                                                                                                               319
                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                               Å
                                                                                                                                                                                                                                                                                                                        94.0%;
                                                                                                                                                                                                                                                                                                                                                                                       of the invention
                                                                                                                                                                                                                                                                                                            0
 319
                          339
                                                                                                                                                                                                                                                                                                                        Score 1678; DB 24;
Pred. No. 6.1e-132;
                                                                                                                                                                                                                                                                                                             Mismatches
                                                                                                                                                                                                                                                                                                            0
                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                   Length
                                                                                                                                                                                                                                                                                                                                     319;
                                                                                                                                                                                                                                                                                                            0
                                                                                                                                                                                                                                                                                                            Gaps
                                                     300
                                                                             320
                                                                                                                                                                              200
                                                                                                                                                                                                                                                                                    က
                                                                                                     240
                                                                                                                              260
                                                                                                                                                      .80
                                                                                                                                                                                                                                                                                                            0
```

Search completed: October 23, 2003, 09:41:40
Job time: 84 secs

```
Result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Minimum DB
Maximum DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Database
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OM protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           number of
                                                                                                                                                                                                                                                                                                                                                           Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                             Score
        11112222
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        seq length: 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            - protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                   Published_Applications_AA:*

1: /cgn2_6/ptodata/1/pubpaa/US07 PUECCMB.pep:*

2: /cgn2_6/ptodata/1/pubpaa/US06 NEW FUB.pep:*

3: /cgn2_6/ptodata/1/pubpaa/US06 NEW FUB.pep:*

4: /cgn2_6/ptodata/1/pubpaa/US06 PUECCMB.pep:*

6: /cgn2_6/ptodata/1/pubpaa/US07 NEW FUB.pep:*

6: /cgn2_6/ptodata/1/pubpaa/US08 NEW FUB.pep:*

7: /cgn2_6/ptodata/1/pubpaa/US08 NEW FUB.pep:*

9: /cgn2_6/ptodata/1/pubpaa/US08 PUECCMB.pep:*

9: /cgn2_6/ptodata/1/pubpaa/US08 PUECCMB.pep:*

10: /cgn2_6/ptodata/1/pubpaa/US09 PUECCMB.pep:*

11: /cgn2_6/ptodata/1/pubpaa/US09 PUECCMB.pep:*

12: /cgn2_6/ptodata/1/pubpaa/US09 PUECCMB.pep:*

13: /cgn2_6/ptodata/1/pubpaa/US09 PUECCMB.pep:*

14: /cgn2_6/ptodata/1/pubpaa/US09 PUECCMB.pep:*

15: /cgn2_6/ptodata/1/pubpaa/US09 PUECCMB.pep:*

16: /cgn2_6/ptodata/1/pubpaa/US09 PUECCMB.pep:*

17: /cgn2_6/ptodata/1/pubpaa/US09 PUECCMB.pep:*

16: /cgn2_6/ptodata/1/pubpaa/US00 NEW FUB.pep:*

17: /cgn2_6/ptodata/1/pubpaa/US00 NEW FUB.pep:*

16: /cgn2_6/ptodata/1/pubpaa/US00 NEW FUB.pep:*

17: /cgn2_6/ptodata/1/pubpaa/US00 NEW FUB.pep:*

18: /cgn2_6/ptodata/1/pubpaa/US00 NEW FUB.pep:*
                                                                                                                                                                                                                                                                                           $
Query
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      hits satisfying chosen parameters:
        Match Length DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-503-387-3
1786
1 MSPSPTALFCLGUCLGEVPA...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         629382 segs, 167460630 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               October 23, 2003, 09:41:49;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Copyright
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GenCore version 5.1.6 (c) 1993 - 2003 Compugen Ltd
       99999115
   US-09-932-312-3

US-09-932-312-34

US-09-932-312-36

US-09-932-312-36

US-09-932-312-36

US-09-932-312-40

US-09-932-312-5

US-09-932-312-5

US-09-932-312-9

US-10-446-926-37

US-09-932-312-46

US-09-932-312-46

US-09-932-312-46

US-09-932-312-46

US-09-932-312-46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; Search time 71 Seconds (without alignments) 799.566 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ....KSHGGQDGGRQDVHBRGLCS
Sequence 3, Appl
sequence 34, Appl
Sequence 34, Appl
Sequence 36, Appl
Sequence 30, Appl
Sequence 5, Appl
Sequence 5, Appl
Sequence 5, Appl
Sequence 37, Appl
Sequence 37, Appl
Sequence 44, Appl
Sequence 42, Appl
Sequence 44, Appl
                                                                                                                                                                                                                                                                         Description
                                                                                                                                                                                                                                        APPLICATION NUMBER: 09/50,397
PRICE REFERENCE: 7853-234
CURRENT APPLICATION NUMBER: US/09/832,312
CURRENT APPLICATION NUMBER: US/09/832,312
CURRENT APPLICATION NUMBER: 09/610,118
PRICE RELING DATE: 2000-06-30
PRICE APPLICATION NUMBER: 09/503,387
PRICE FILING DATE: 2000-02-14
PRICE APPLICATION NUMBER: 09/503,387
PRICE APPLICATION NUMBER: 09/454,824
PRICE FILING DATE: 2000-02-14
PRICE APPLICATION NUMBER: 09/345,468
PRICE FILING DATE: 1999-12-06
PRICE FILING DATE: 1999-12-6-30
NUMBER OF SEQ ID NOS: 78
SOFTMARE: FASTSEC FOR WINDOWS Version 3.0
SEQ ID NO 3
LENGTH: 339
TYPE: PRI
                                                   Ş
                                                                                    C,
                                                                                                              8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 1
US-09-832-312-3
                                                                                                                                                                                                                        ; TYPE: PRT
; ORGANISM: Homo
US-09-832-312-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 3, Application US/09832312 Patent No. US20010049829A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     61
```

## ALIGNMENTS

```
Query Match 100.0%; Score 1796; DB 9; Sest Local Similarity 100.0%; Pred. No. 2e-139; Matches 339; Conservative 0; Mismatches 0;
KLSSSRYQDQAVLFIPAMKRSLAGRYRCSYQNGSLMSLPSDQLELVATGVFAKPSLSAQP 120
                                                                                 XSPSPTALFCLGLCCGRVPAQSGPLPKPSLQALPSSLVPLEKPVTLRCQGPPGVCLYRLF
                                                                                                            MSPSPTALFCLGICLGRVPACSGPLFKPSLQALFSSLVPLEKFVTLRCGGPPGVDLYRLE
                                                                                                                                                                                                               9;
                                                                                                                                                                                                               Length 339;
                                                                                                                                                                           Indels
                                                                                                                                                                           Ċ
                                                                                     d)
```

```
j TYPE: PRT
j ORGANISM: Homo sapiens
US-10-157-031-387
                                                              RESULT 3
US-09-832-312-34
                                                                                                                                                                                       Ş
                                                                                                                                                                                                                                      8
                                                                                                                                                                                                                                                                            2
                                                                                                                                                                                                                                                                                                                         망
                                                                                                                                                                                                                                                                                                                                                          Ş
                                                                                                                                                                                                                                                                                                                                                                                                            y
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ρ.
C:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 2
US-10-157-031-387
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Eb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             $
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8
  Sequence 44, Application US/09832312 Patent No. US20010049829A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Seguence 387, Application US/10157031 Publication No. US20030108890A:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
tes 339; Conserv
                                                                                                                                                                                              301
                                                                                                                                                                                                                                        241
                                                                                                                                                                                                                                                                              241
                                                                                                                                                                                                                                                                                                                         181
                                                                                                                                                                                                                                                                                                                                                                 8.
                                                                                                                                                                                                                                                                                                                                                                                                            :2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                      121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            121
                                                                                                                                                     301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ٥,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5
                                                                                                                                                                                                                                                               TETSRSITTSPKESDSPAGPARQYYTKGNLVRICLGAVILLILAGFLAEDWHSRRKRLRH
                                                                                                                                                                                                                                                                                                                                                 GPAVSSOGDVTLOCQTRYGFDQFALYKEGDPAPYKNPERWYRASFPIIITVTAAHSGTYRC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          KLSSEYQDÇAVLFIPAMKESLAGRYRISYQNGSLMSLFSDQLELVATGVFAKPSLSAQP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       YSESSRDPYLMSAPSDPLELUVTGTSVTPSRLFTRPSSVÄEFSBÄTAELTVSFTNKVET
                                                                                                                                                                          RGRAVQRPLPPLPPDTRKSHGGQDGGRQDVHSRGLCS 339
                                                                                                                                                                                                                                                                                                                         YSPSSRDPYLWSAPSDPLELVWTGTSVTPSRLPTEPPSSVÆFFSEÄTAELTVSFTNKVFT
                                                                                                                                                                                                                                                                                                                                                                                                            GPAVSSGGDVTLQCQTRYGFDQFALYKEGDPAPYKNPERWYRASFPIITVTAAHSGTYRC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RGRAVQRPDPUPPUPQTRXSHGQCGGRQCVHSRGDCS 239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RGRAVQRFLPPLFPLPQTRKSHGGQDGGRQDVHSRGLCS 339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  THISRSITISPKESDSPAGPARQYYTKGNLVRICLGAVILIILAGFLAEDWHSRRKRIRH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TETSRSITTSPKESDSPAGPARQYYTKGNLVRICLGAVILIILAGFLAEDWHSRRKRLRH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GPAVSSGGDVTLQCQTRYGFDQFALYKEGDPAPYKNPERMYRASFPIITVTAAHSGTYRC
                                                                                                                                                 RGRAVÇRPLPPLPQTRKSHGGÇDGGRÇDVHSRGLCS
                                                                                                                                                                                                                                        TETSRSITTSPKESDSPAGPARQYYTKGNLVRI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 1786; DB 15; Length 100.0%; Pred. No. 2e-139; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  phenotype-associated expressed
                                                                                                                                                                                                                                        GAVILIILAGFLAEDWHGRRKRLRH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              بی
دیا
د
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         190
                                                                                                                                                                                                                                                                              000
                                                                                                                                                                                                                                                                                                                                                                                                         . .
(D)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    300
                                                                                                                                                                                                                                                                                                                         (A
(4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ŝ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Busfield et al.
TITLE OF INVENTION: GLYCOPROTEIN VI AND USES THE
FILE REFERENCE: 7853-234
CURRENT APPLICATION NUMBER: US/59/532,312
CURRENT FILING DATE: 2001-04-09
ERIOR APPLICATION NUMBER: 09/610,115
PRIOR APPLICATION NUMBER: 09/503,387
PRIOR APPLICATION NUMBER: 09/454,824
PRIOR APPLICATION NUMBER: 09/454,465
PRIOR APPLICATION NUMBER: 09/454,624
PRIOR APPLICATION NUMBER: 09/454,824
PRIOR APPLICATION NUM
                                                   GENERAL INFORMATION:

APPLICANT: B:sfield et al.

TITLE OF INVENTION: GLYCOPROTEIN VI AND USES THE

FILE REFERENCE: 7853-234

CURRENT APPLICATION NUMBER: US/09/832,312

CURRENT FILING DATE: 2001-04-09

PRIOR APPLICATION NUMBER: 09/610,118

PRIOR FILING DATE: 2000-06-3:

PRIOR FILING DATE: 2000-06-3:

PRIOR FILING DATE: 2000-04-3:

PRIOR FILING DATE: 2000-08-3:

PRIOR FILING DATE: 2000-08-3:

PRIOR FILING DATE: 1999-12-06

PRIOR FILING DATE: 1999-12-06

PRIOR FILING DATE: 1999-06-3:

NUMBER OF SEQ ID NOS: 78

SCPTMARE: FASUSEC FOR Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 4
US-09-832-312-36
/ Sequence 36, Application US/09832312
/ Patent No. US20010949829A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ä
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  5
LENGTH: 339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Bost Local Similarity
Matches 338; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            18:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             12:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3C1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 30:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       12:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  σ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MSPSPTALFCLGLCLGRVPAQSGPLPKPSLQVLPSSLVPLEKPVTLRCQGPPGVDLYRLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GPAVSSGGDVTLQCQTRYGFDQFALYKEGDPAPYKNPERWYRASFPIITVTAAHSGTYRC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MSPSPTALFCLGLCLGRVPAQSGPLFKPSLQALPSSLVPLEKPVTLRCQGPPGVJLYRLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RGRAVQRPLPPLPQTRKSHGGQDGGRQDVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       YSFSSRDPYLWSAPSDPLELVVTGTSVTPSRLPTEPPSSVARFSBATAELTVSFTNKVFT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 KLSSSRYODÇAVLFIPAMKRSJAGRYRCSYQNGSJWSLPSOQJEJVATGVFAKPSLSAÇF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     YSFSSRDPYLWSAPSDPLBLVVTGTSVTPSRLPTEFPSSVAEFSBATAELTVSFTNKVFT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             KLSSSRYQDQAVLFIPAMKRSLAGRYRCSYQNGSLWSLPSDQLEUVATGVFAKPSLSAQP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RGRAVQRPLPPLPPLPQTRKSHGGQDGGRQDVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TETSRSITTSPKESDSPAGPARQYYTKGNLVRICLGAVILIILAGFLASDWHSRRKRLRH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TETSRSITTSPKESDSPAGPARQYYTKGNLVRICLGAVILIILAGFLAEDNHSRRKRLRH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       99.8%;
99.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 1782; Di
Pred. No. 4.4e
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .4e-139;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                acı
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                THEREOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ٠<u>.</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (1)
(2)
(2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Longth 339;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
```

180

120

240

300

20

os Os

```
GENERAL INFORMATION:

APPLICANT: BUSFIELD et al.

TITLE OF INVENTION: SLYCOPROTEIN VI AND USES THE

FILE REFERENCE: 7833-234

CURRENT APPLICATION NUMBER: US/09/832,312

CURRENT FILLING DATE: 2001-C4-09

PRIOR APPLICATION NUMBER: 09/610,118

PRIOR APPLICATION NUMBER: 09/610,118

PRIOR APPLICATION NUMBER: 09/603,387

PRIOR APPLICATION NUMBER: 09/603,387

PRIOR APPLICATION NUMBER: 09/454,924

PRIOR APPLICATION NUMBER: 09/454,924

PRIOR APPLICATION NUMBER: 09/454,924

PRIOR APPLICATION NUMBER: 09/454,924

PRIOR FILING DATE: 1999-12-C6

PRIOR APPLICATION NUMBER: 09/454,924

PRIOR FILING DATE: 1999-06-30

NUMBER CF SED ID NOS: 78

PRIOR FILING DATE: 1999-06-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8
       g.
                                          Š
                                                                                                 9
                                                                                                                                            Ş
                                                                                                                                                                                            븅
                                                                                                                                                                                                                                         2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ċ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ۲<u>٦</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ij
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Simi
Matches 338;
                                                                                                                                                                                                                                                                                                                                                                                     SCFTWARE: FastSEQ for Windows Version
SEQ ID NC 38
LENGTH: 339
TYPE: PRT
CRGANISM: Homo sapiens
S-09-832-312-38
                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
Matches 338; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 38, Application U
Patent No. US20010049829A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   -05-832-312-38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Homo
-09-832-312-36
                                                  12:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          242
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      121
       121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       121
                                                                                                 61
                                                                                                                                               13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5,0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 XSESPTALECUGICLGRVPAQSGPLPKESLQALPSSLVELEKPVTLRCQGPEGVJLYRLE 60
                                                                                                                                                                                              6.4
                                                                                                                                                                                                                       | MSSSPTALECLGLCLGRAFAQSGPLFKPSLQALFSSLVPLEKFVTLRCQGPFGVDLYRLS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Similarity
                                GPAVSSGGDVTLQCQTRYGFDQFALYKBGDFAFYKKFERWYRASFPILITVTAAHSGTYSC
                                                                                            XUSSSRYQDQAVLFIPAXKRSLAGRYRGSYQNGSLWSLPSDQLELVATGVFAKPSLSAQP
                                                                                                                                                                                       NSPSETALFOLGECEGERAPAGSGPERKRSCQALRSSCVPLEKFVTLICOGPEGVDLYRES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RGRAVÇRPLPPLPPLPQTRKSHGGQDGGRQDVHSRGLCS 339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       YSESSROPYLWSAPSOPLELVVTGTSVTPSRLPTEPPSSVAEFSEATABLTVSFTNKVFT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     YSFSSRDPYLMSAPSDPLELYVTGTSVTPGRLPTEPPSSVAEFSEATAE::TVSFTNKVFT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             KLSSSRYCOQAVIFIPAMKRSLAGRYRCSYQNGSLWSLPSIOLELVATGVYAKPSLSNQP
  GPAVSSGGDVTLQCQTKYGFDQFALYKBGDPAPYKKPERWYRASFPIITATAAHSGTYRC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RGRAVQRPLPPLPPLPQTRKSHGGQDGGRQDVHSRGLCS 329
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TETSRSITTSPKESDSPAGPARQYYTKGNIVRICLGAVILIILAGFLAEDWHSKRKRIRH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TETSRSITTSFKESDSPAGPARQYYTKGNJVRICUGNVIJIILAGFLAEDWIJSRRKRLRH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GPAVSSGGDVTLQCQTRYGFDQFALYKEGDPAPYKNPERWYRASPPTTTVTAAHSGTYRC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GPAVSSGEDYTLQCQTRYGEDQFALYKEGJPAPYKKPERWYRASFPIIITVAAHSGTYRC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   KLSSSRYQDQVVIETPAMXRSLAGRYRCSYQNGSLWSLPSOQLELVATGVFAKPSLSAGP
                                                                                                                                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      sapiens
                                                                                                                                                                                                                                                                                                                  99.5%;
99.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    99.8%;
99.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US/09832312
                                                                                                                                                                                                                                                                                           Score 1792; DB 9;
Fred. No. 4.4c-139;
0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             .
-.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 1782; DB 9;
Pred. No. 4.4e-139;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                THEREOF
                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 339;
                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
                                                                                                                                                                                                                                                                                                                                           3
3
3
3
3
                                                                                                                                                                                                                                                                                           ن
--
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.
                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      . .
B
C
                                               m
O
                                                                                                                                                                                            60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ν
Α
Ο
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ;n
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION UNMBER: 09/454,824
PRICA FILING DATE: 2000-05214
PRICE REPRINCE: 7853-224
CURRENT APPLICATION NUMBER: US/09/832,312
CURRENT FILING DATE: 2001-04-09
PRICE RELING DATE: 2000-06-30
PRICE APPLICATION NUMBER: 09/610,118
PRICE APPLICATION NUMBER: 09/610,387
PRICE APPLICATION NUMBER: 09/454,824
PRICE APPLICATION NUMBER: 09/454,824
PRICE APPLICATION NUMBER: 09/454,824
PRICE APPLICATION NUMBER: 09/454,824
PRICE APPLICATION NUMBER: 09/345,466
RESULT 7
US-10-146-026-5
| Sequence 5, Application US/10446826
| Publication No. US20030186885A1
                                                                                                                                                                                                                                                                                      Ş
                                                                                                                                                                                                                                                                                                                                                                                   Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Сb
                                                                                                                                                                                       Ş
                                                                                                                                                                                                                                           Ŋ.
                                                                                                                                                                                                                                                                                                                                                                                                                                        밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ó
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ႘
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ) ORGANISM: Homo
US-09-832-312-40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 6
US-09-832-312-40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ę
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ş
                                                                                                                                                                                                                                                                                                                                        Я
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Я
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local S
Matches 338
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 40, Application US/09632312 Patent No. US20010049829A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
hes 338; Conserv
                                                                                                                                            30:
                                                                                                                                                                                         301
                                                                                                                                                                                                                                                                                           241
                                                                                                                                                                                                                                                                                                                                           181
                                                                                                                                                                                                                                                                                                                                                                                     181
                                                                                                                                                                                                                                                                                                                                                                                                                                        121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 MSPSPTALFCLGLCLGRVPAQSGPLPKPSLQALPSSLVPLEKPVTLRCQGPPGVDLYRLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RGRAVQRPLPPLPPLPQTRKSHGGQDGGRQDVHSRGLCS
                                                                                                                                                                          RGRAVORPLPPLPPLPQTRKSHGGQDGGRQDVHSRGLCS
                                                                                                                                                                                                                                         TETSRSITTSPKESDSPAGPARQYYTKGNUVRICLGAVILIILAGPLAEDWHSRRKRIRH
                                                                                                                                                                                                                                                                  TETSRSITTSPKESDSPAGPARQYYTKGNLVAICLGAVILIILAGFLAEDWHSRRKRLRE
                                                                                                                                                                                                                                                                                                                                                                      YSFSSRDPYLWSAFSDPLELVVTGTSVTPSRLPTEPPSSVABFSBATÄELTVSFTNKVFT
                                                                                                                                                                                                                                                                                                                                                                                                                                     GPAVSSGGDVTLQCQTRYGFDQFALYKEGDPAPYKNPERWYRASFPIITVTAAHSGTYRC
                                                                                                                                                                                                                                                                                                                                                                                                                                                              KLSSSRYCDQAVLFIPANKRSLAGRYRCSYCNGSLWSLPSDQLSLVATGVFAKPSLSAQP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  KLSSSRYCDOAVLFIPAYKRSLAGRYRCSYONGSLWSLPSDCLELVATGVFAKPSLSAOP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MSPSPTALFCLGLCLGRVPAQSGPLPXPSLQALPSSLVPLEXPVTLRCQGPPGVDLYRLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RGRAVQRPLPPLPCTRKSHGGQDGGRQDVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TETSRSITTSPKESCSPAGFARQYYTKGNLVRICLGAVILIILAGFLAEDWHSRRKRLRH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             YSFSSRDPYLWSAPSDPLELVVTGTSVTPSRLPTEPPSSVAEFSEATAELTVSTTNKVFT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           YSESSRDPYLWSAPSDPLELVTGTSVTPSRLPTEPPSSVAEFSEATAELTVSFTNKVFT 240
                                                                                                                                            RGRAVQRPLPPLPPLPQTRKSHGGQDGGRQDVHSRGLCS
                                                                                                                                                                                                                                                                                                                                           YSFSSRDPYLWSVPSDPLELVVTGTSVTPSRLPTBPPSSVAEFSEATAELTVSFTNKVFT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TETSRSITTSPKESDSPAGPARQYYTKGNLVRICLGAVILIILAGFLAEDWHSRRKRLRH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  99.8%;
99.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 1782; DB 9;
Pred. No. 4.4e-139;
0; Mismatches 1;
                                                                                                                                                                                            9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 339;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                939
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
```

180 120

120 60

```
SCFTWARE: Patentin Ver. 2.1
SEQ ID NO 5
LENGTH: 333
TYPE: PRT
CRGANISM: Homo sapiens
US-10-446-826-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: SUM, BATGERA N.
APPLICANT: SUM, BING
APPLICANT: MAKAMURA, TAKASH!
APPLICANT: MAKAMURA, TAKASH!
APPLICANT: MAKAMURA, TAKASH!
APPLICANT: MAKAMURA, TAKASH!
APPLICANT: MAMANOTO, MACMASA
TITLE OF INVENTION: PLATELET MEMBRANE GLYCOPROTEIN VI (GPVI) DNA
TITLE OF INVENTION: PLATELET MEMBRANE GLYCOPROTEIN VI (GPVI) DNA
TITLE OF INVENTION: PLATELET MEMBRANE SUMCOPROTEIN VI (GPVI) DNA
TITLE OF INVENTION: PLATELET MEMBRANE SUMCOPROTEIN VI (GPVI) DNA
TITLE OF INVENTION: NUMBER: US/10/446,826
CURRENT APPLICATION NUMBER: US/20/654,2558
PRIOR APPLICATION NUMBER: US/20/654,2558
PRIOR APPLICATION NUMBER: US/20/654,2559
PRIOR APPLICATION NUMBER: US/20/152,137
PRIOR APPLICATION NUMBER: US/256,251
PRIOR APPLICATION NUMBER: US/256,251
PRIOR APPLICATION NUMBER: US/256,251
PRIOR PILING DATE: 1999-10-08
VONBER OF SEQ ID NOS: 37
VONTBER OF SEQ ID NOS: 37
APPLICANT: Busileid et al.
TITLE OF INVENTION: GLYCOPROTEIN VI AND USES THE REFERENCE: 7853-234
FILE REFERENCE: 7853-234
CURRENT APPLICATION NUMBER: US/09/832,312
CURRENT FILING DATE: 2001-04-09
PRIOR APPLICATION NUMBER: 09/610,118
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: 09/503,387
PRIOR APPLICATION NUMBER: 09/454,824
PRIOR FILING DATE: 2000-02-14
PRIOR APPLICATION NUMBER: 09/454,824
PRIOR APPLICATION NUMBER: 09/345,468
PRIOR APPLICATION NUMBER: 09/345,468
PRIOR APPLICATION NUMBER: 09/345,468
PRIOR FILING DATE: 1999-06-30
                                                                                                                                                                                                                                                                                                                                       RESULT 8
US-09-832-312-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ñ
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          S.
                                                                                                                                                                                                                                                                          Sequence 5, Application US/09832312
Patent No. US20010049829A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Sin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ď,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         XSFSSRDPYLMSAPSDPLEDVVTGTSVTPSRLPTSPPSSVAEFSRATAELTVSFTNKVFT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GPAVSSGGDVTLQCCTRYGFDQFALYKBGDPAFYKNFERWYRASFPILITVTAAHSGTYRC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           KLŚŚRYQDQAVLETPAMKRSLAGRYRCSYQNGSLWSLPSDQLETVATGVYAKBSLSAQP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GPAVSSGGDVTLQCQTRYGFDQFALYKBODFAFYKNFERWYRASFBILIVTALHSGTYRC
                                                                                                                                                                                                                                                                                                                                                                                                                          RGRAVQRPLPPT.PPLPQTRKSHGGQDGGRQDVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                RGRAVORPLPPLPPLPQTRKSHGSQDGGRQDVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TETSRSITTSPKESDSPAGPAROYYTKGNUVRICUGAVIULIIAGSLABDWHSRRKPLRH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TETSRSITTSPKESDSPAGPARQYYTKGWLVRICLGAVILLILAGFLAEDWHSRRKRLRH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       YSESSRDPYLWSAPSDPLELVVTGTSVTPSRLPTEPPSSVAEFSEATAELTVSFTMKVFT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              98.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 1759; DB 12;
Pred. No. 3.5e-137;
b: Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 12; Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                               (4)
(4)
(2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (B)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ob
C2
                                                             당
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    D
                     Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   $C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               h
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    В
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ъ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF
                        89
```

```
TITLE OF INVENTION: GLYCOPROTEIN VI AND USES THEREOF FILE REFERENCE: 7853-234
CURRENT APPLICATION NUMBER: US/09/832,312
CURRENT FILING DATE: 2001-04-09
PRIOR APPLICATION NUMBER: 09/610,118
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: 09/503,387
PRIOR FILING DATE: 2000-02-14
PRIOR APPLICATION NUMBER: 09/503,387
PRIOR FILING DATE: 2000-02-14
PRIOR PRILING DATE: 2000-02-14
PRIOR PRILING DATE: 1999-0454,924
PRIOR FILING DATE: 1999-0454,468
PRIOR APPLICATION NUMBER: 09/345,468
PRIOR APPLICATION NUMBER: 09/345,468
PRIOR PRILING DATE: 1999-06-30
NUMBER OF SEO ID NOS: 78
SCETMANE: FASUSEQ for Windows Version 3.0
SEC ID NO 9
LENTH: 249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: FastSEC
SEQ ID NC 5
LENGTH: 319
LINTE: PRT
PRES: PRT
ROANISM: Homo s
US-09-832-312-5
                                                                                                                                                              : LENGTH: 249
: TYPE: PRT
: CRGANISM: Homo s
US-09-832-312-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 9
US-09-632-312-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION APPLICANT: Busfield
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Onery Match
Best Local Similarity
Matches 319; Conserv
                                                                              Query Match 73.0%; Sometime 100.0%; Rest Local Similarity 100.0%; Ratches 249; Conservative 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 9, Application US/09932312
Patent No. US20010049829A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         321 SHGGQDGGRQDVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    261
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        : 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (D)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ال
د.ر
                         21 QSGPLPKPSLQALPSSLVEPESKEVTLRCQGPPGVDLYRLEKESSSSRVQDQAVLFIPAYKR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQ ID NOS: 78
FastSEQ for Windows Version
2SGP1EKPS1QALPSSLVP1EKPVTLRCQGPPGVDLYRLEKLSSSRYQDQAVLF1PAMKR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SLAGRYRCSYQNGSLWSLPSDQJELVATGVFAKPSLSAQPGPAVSSGGDVTLQCCTRYGF 140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Busfield et al
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SHGGQDGGRQDVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ARQYYTKGNIVRICIGAVIIIILAGFLAEDWHSRRKRIRHRGRAVQRPLPPIPPIPCTRK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   #RQYYTKGNUVRIGUGAVIUXILAGFUAEDWHSKRKRURHRGRAVQRFUPPLPFUFGTRK 320
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DOFALYKEGDPAPYMYPERWYRASFPIITVTA/HSGTYRCYSFSSRDPYLWSAPSDPLEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SLAGRYRCSYQNGSLWSLPSDQLELVATGVFAKPSLSAQPGPAVSSGGDVTLQCCTRYGF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CSGPLPXPSLCALPSSLVPLEXPVILACOGPPGVDLYRLEKLSSGRYCDCAVLFIPAMK9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                   sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 94.0%;
100.0%;
                                                                              Score 1304; DB 9; 1; Pred. No. 8.7e-100; 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 1578;
Pred. No. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             319
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 9; :
                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 319;
                                                                                  indels
                                                                                  0
                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
  60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    <u></u>б
```

| SLAGRYRCSYQNGSLWSLPSDQLELVATGVFAKFSLSAQFGPAVSSGGDVTLQCQTRYGF

```
CURRENT FILING DATE: 2003-05-29
PRIOR APPLICATION NUMBER: US/09/653,255B
PRIOR FILING DATE: 2000-08-1
PRIOR APPLICATION NUMBER: PCT/US00/23975
PRIOR FILING DATE: 2000-09-01
PRIOR FILING DATE: 2000-09-01
PRIOR APPLICATION NUMBER: 60/152,197
PRIOR APPLICATION NUMBER: 60/152,257
PRIOR APPLICATION NUMBER: 60/159,251
PRIOR APPLICATION NUMBER: 60/159,251
PRIOR APPLICATION NUMBER: 60/159,251
PRIOR FILING DATE: 1999-13-08
NUMBER OF SED ID NOS: 37
SOFFMARE: Patentin Ver. 2.1
SEC ID NC 37
LENGTH: 369
TYPE: PRT
ORGANISM: Homo sapiens
US-10-446-826-37
                                                                                                                                                                                                                                                                    Š
                                                                                                                                                                                                                                                                                                                        밁
                                                                                                                                                                                                                                                                                                                                                                   8
                                                                                                                                                                                                                                                                                                                                                                                                                     8
                                                                                                                                                                                                                                                                                                                                                                                                                                                               8
                                RESULT 11
US-09-832-312-16
                                                                                                                                                                          Ş
                                                                                                                                                                                                                              S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ^{\circ}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
APPLICANT: TANDON, N.
APPLICANT: SUN, BIN
APPLICANT: NAKANURA
APPLICANT: YAMANOTO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               S,
            Seguence 16,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 37, Application US/10446926 Publication No. US20030186885A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: NAKAMURA, TAKASHI APPLICANT: YAMANOTO, NAONASA TITLE OF INVENTION: PLATEJET MEMBRANE GLYCOPROTEIN VI (GPVI) DNA AND TITLE OF INVENTION: PROTEIN SEQUENCES, AND USES THEREOF FILE REFERENCE: 33459.0026-00000 CURRENT APPLICATION NUMBER: US/10/446,826
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
des 249; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                       158
                                                                                                                                                                                                                              273
                                                                                                                                                                                                                                                                         201
                                                                                                                                                                                                                                                                                                                        218
                                                                                                                                                                                                                                                                                                                                                                        141
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           14:
                                                                                                                                                                               261
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               26:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       i-i
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    98
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ۲٦
دن
                                                                                                                                                                                                                                                       VVTGTSVTPSRLPTEPPSSVAEFSEATAELTVSFTKKVFTTETSRSITTSPKESDSPAGP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OSGPLPKPSIQALPSSIVPLEXPVTLRCQGPPGVDLYALEKLSSSRYGDQAVLFIFAMKR
                                                                                                                                                                               ARQYYTKGN 269
                                                                                                                                                                                                                              VVTGTSVTPSRLPTEPPSSVAMPSEATAELTVSFTNKVFTTETSRSITTSPKESDSFAGP
                                                                                                                                                                                                                                                                                                                      DQFALYKEGDPAPYKNPERWYRASFPIITVTAAHSGTYRCYSFSSRDPYLWSAPSDPLEL
                                                                                                                                                                                                                                                                                                                                                              DQFALYKEGDPAPYKNPERWYRASFPIITVTAAHSGTYRCYSFSSRDPYLWSAPSDPLEL
                                                                                                                                                                                                                                                                                                                                                                                                                     SLAGRYROSYQNGSLWSLPSDQLELVATGVFAKPSLSAQPGPAVSSGGDVTLQCQTRYGF
                                                                                                                                                                                                                                                                                                                                                                                                                                                   SLAGRYRCSYQNGSLWSLASDQLSLVANTGVEAKPSLSAQPGPAVXSSGDVTLCCQTRYGF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 QSGPLPKPSLQALPSSLVPLEKPVTLRCQGPPGVDLYPLEXLSSSRYQDQAVLFIPAMKR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ARCYYTKGN 269
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                VVTGTSVTPSRLPTEPSSSVAEFSEATAELTVSFTXXVFTTETSRSITTSPKESDSpAGP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DOFALYKEGDFAPYKNPERWYRNSFPIITVTMAHSGTYRCYSFSSRDFYLWSAPSDPLEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DQFALYKEGDPAPYKNPERWYRASFPIITVTAAHSGTYRCYSFSSRDEYLWSAPSDPLEL
                                                                                                                               AROYYTKGN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               VVTGTSVTPSRLPTEPPSSVAEFSEATAELTVSFTNKVFTTETSRSITTSPKESDSPAGP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SLAGRYRCSYQNGSLWSLPSDQLELVATGVFAKPSLSAQPGPAVSSGGDVTLQCQTRYGF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SUN, BING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ARCYYTKON 249
          Application
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NARENDRA N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       73.0%;
100.0%;
            US/09832312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 1304; DB 12; Pred. No. 1.5e-99;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 369;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                              33
                                                                                                                                                                                                                                                                         (A)
                                                                                                                                                                                                                                                                                                                        27.7
                                                                                                                                                                                                                                                                                                                                                                     200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         00
                                                                                                                                                                                                                                                                                                                                                                                                                     217
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          90
Sequence 48, Application US/09832112
Patent No. US20210049829A1
GENERAL INFORMATION:
APPLICANT: Busfield et al.
TITLE OF INVENTION: GLYCOPROTEIN VI AND USES THE FILE REFERENCE: 7883-234
CURRENT APPLICATION UNMBER: US/09/832/312
CURRENT FILING DATE: 2001-04-09
PRICE APPLICATION NUMBER: 09/610.118
PRICE FILING DATE: 2000-06-39
PRICE APPLICATION NUMBER: 09/503,387
PRICE APPLICATION NUMBER: 09/503,387
PRICE APPLICATION NUMBER: 09/454,824
PRICE APPLICATION NUMBER: 09/454,824
PRICE APPLICATION NUMBER: 09/345,468
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           // TYPE: PRT
// ORGANISM: Mus musculus
US-09-832-312-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Busfield et al.
TITLE OF INVENTION: GLYCOPROTEIN VI AND USES
TITLE REFERENCE: 7853-234
CCERRENT APPLICATION NUMBER: US/09/832,312
CCERRENT FILING DATE: 2001-04-09
PRIOR APPLICATION NUMBER: 09/610,118
PRIOR FILING DATE: 2000-06-33
PRIOR APPLICATION NUMBER: 09/503,387
PRIOR APPLICATION NUMBER: 09/503,387
PRIOR APPLICATION NUMBER: 09/454,824
PRIOR APPLICATION NUMBER: 09/454,824
PRIOR FILING DATE: 1909-12-06
PRIOR FILING DATE: 1999-12-06
PRIOR FILING DATE: 1999-13-06
PRIOR FILING DATE: 1999-6-30
NUMBER: CF SEQ ID NOS: 78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-832-312-48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          몱
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: FastSEQ for Windows Version SEQ ID NO 16 \,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Patent No. US20010049829A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGIH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 298
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                238
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 218;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (A)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ഗ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    313
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 MSPSPTALFCIGLC-JGRVPAGSGPIJFKPSLQALPSSLVPLEKPVTLRCGGGPPGVELYRL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HRMRALQRPLPPLP 3:1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HRGRAVORPLPPLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CYSFSSRDPYLWSAPSDPLELVVTGTSVTPSRLPTEPPSSVAEFSEATAELTVSFTNKVF 239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PGPAVSSGGDVTLQCQTRYGEDQFALYKEGDPAFYKNPERWYRASFPIITVTAAHSGTYR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EKLKPEKYEDQDFL91PTMERSNAGRYRCSYQNGSHWSLPSDQLELIATGVYAKPSLSAH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EKLSSSRYQDQAVLTIFAMKRSLAGSYRCSYQNGSLNSLTSDQLELVATGVTAKFSLSAQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MSPASPTEFCTGLCVLQVIQTQSGPLPKPSLQAQPSSLVPTGQSVILECQGPPDVDLYRL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TTEKPMNITASPEGLSPPIGFAHQHYAKGNLVRICLGATIIILLGLLAEDWHSRKKCLQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TTETSRSITTSPKESDSPAGPARQYYTKGNLVRICLGAVILIILAGFLAEDWHSRRKRLR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CYSTSSSPYLWSAPSDPLVLVVTGLSATPSQVPTEESTPVTESSRRPSILP---TNKIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PSSAVPCGRDVTI.KCQSPYSFDEFVLYKEGDTGPYKRPEKWYRANFPIITVTAAHSGTYR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     62.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              313
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 25; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 1122; DB 9;
Pred. No. 1.3e-84;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AND USES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  THERECF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 313;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               .:
..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3ರ್ಷ
```

237

179 .80

120

d)

```
GENERAL INFORMATION:

APPLICANT: BUSField et al.

TITLE DE INVENTION: SLYCOPROTEIN VI AND USES THEREOF

FILE REFERENCE: 7853-214

CURRENT APPLICATION NUMBER: US/09/832,312

CURRENT FILING DATE: 2001-04-09

PRIOR APPLICATION NUMBER: 09/410,118

PRIOR APPLICATION NUMBER: 09/503,387

PRIOR FILING DATE: 2000-06-30

PRIOR FILING DATE: 2000-02-14

PRIOR FILING DATE: 090-12-06

PRIOR FILING DATE: 1999-12-06

PRIOR APPLICATION NUMBER: 09/454,824

PRIOR APPLICATION NUMBER: 09/454,824

PRIOR FILING DATE: 1999-12-06

PRIOR APPLICATION NUMBER: 09/454,468

PRIOR APPLICATION NUMBER: 09/345,468

PRIOR APPLICATION NUMBER: 09/345,468

PRIOR FILING DATE: 1999-06-30

NUMBER OF 850 ID NOS: 78

SOFTWARE: PastSEC for Windows Version 3.0

SOFTWARE: PastSEC for Windows Version 3.0

SECTION 13
                                                                                                                                                                                                                                                                    ; TYPE: PRT; ORGANISM: Mus musculus US-09-832-312-42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 13
US-09-832-312-42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Db
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         맑
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Вb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 313
TYPE: PRT
ORGANISM: Mus musculus
US-09-832-312-48
Q
                                      9
                                                                        Ş
                                                                                                                 닭
                                                                                                                                                 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        뭐
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           á
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ş
                                                                                                                                                                                       Query Match 62.6%; Score 1118; DB 9; Length 313; Best Local Similarity 69.1%; Pred. No. 2.7e-84; Matches 217; Conservative 25; Mismatches 68; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 42, Application US/09832312 Fatent No. [US20010049829A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity
Matches 218; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                298
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        238
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                12:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    120
  120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             60
                                      ø.
                                                                        90
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    _
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CYSPSSSPYLMSAPSDPUVLVVTGLSATPSQVPTEESPPVTESSRRPSILP---TNKIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MSPASPTEPCIGLOVIQVIQTQSSPLEXESUQAQPSSLVPLGQSVILRCQGPPDVJUXHL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TTETSRSITTSPKESDSPAGPARQYYTKGNLVRICLGAVILIILAGELAEDWHSRRKKLR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FGPAVSSGGDVTLQCCTRYGGDQFALYKEGDPAPYRAGERWYRASFPIITVTAAHSGTYR
  PGPAVSSGGDVTLQCQTRYGFDQFALYKEGDPAPYKMPERWYRASFPIITVTAAHSGTYR
                                      SKLKPEKYEDQDFLFIPTMERSNVGRYRCSYQNGSHWSLPSDQLELIATGVYAKPSLSAH 120
                                                              EKISSSRYODQAVIFIPAMKPSLAGRYRCSYQNGSLWSLPSJQLELVATGVFAKPSISAQ 119
                                                                                                               WSEASPTFFCIGLCVLCVIQTQSGPLPKPSLQAQPSSLVPLGQSVILRCQGPPDVDLYRL
                                                                                                                                             MSESPTALECLGIC-LGRVPAOSGEWEKESLOALESSWYDLEKPVTLRCCGPEGVDWRL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HRMRALÇRPLPPLP 311
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      HRGRAVQRPLPPLP 313
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TTEKEYNITASPEGLSPPIGFAHQHYVKGNUVRICLGATIIIILLGULAEDWHSRKKCLQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CYSESSRDPYLWSAPSDPLELVVTGTSVTPSRLPTSPPSSVAERSBATABLTVSETNKVF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PSSAVPQGROVTLKCQSPYSFDEFVLYKEGDTGPYKRPEXWYRANFFIITVTAAHSGTYR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         EKUKPEKYEDODFLETETMERSNAGRYROSYONGSHWSLESDQLELIATGVVAKESUSAH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                62.5%;
69.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              .f.
                                                                                                                                                                                           ۲,
                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          297
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          233
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          59
                                                                                                               60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   237
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (I)
```

```
GENERAL INFORMATION:
APPLICANT: Busfield et al.
TITLE OF INVENTION: GLYCOFACTEIN VI AND USES
FILE REFERENCE: 7853-234
CURRENT APPLICATION NUMBER: US/09/832,312
CURRENT FILING DATE: 2001-04-09
PRICE APPLICATION NUMBER: 09/610,118
PRICE FILING DATE: 2000-06-30
PRICE FILING DATE: 2000-02-14
PRICE APPLICATION NUMBER: 09/503,387
PRICE FILING DATE: 2000-02-14
PRICE APPLICATION NUMBER: 09/454,824
PRICE APPLICATION NUMBER: 09/454,824
PRICE APPLICATION NUMBER: 09/454,824
PRICE APPLICATION NUMBER: 09/454,468
PRICE FILING DATE: 1999-06-30
NUMBER OF SEO ID NOS: 78
SCOTTKARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 14
US-09-632-312-44
                                              Ş
                                                                                                                                     片
                                                                                                                                                                                               Ş
                                                                                                                                                                                                                                                                       Я
                                                                                                                                                                                                                                                                                                                                     Ş
                                                                                                                                                                                                                                                                                                                                                                                                             ů,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ģ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; TYPE: PRT; ORGANISM: Mus musculus
US-09-832-312-44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        å
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sest Local Similarity 69.1%;
Matches 217; Conservative of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 44, Application US/09832312 Patent No. US20010049829A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    238
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               298
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   121
   298
                                                                 300
                                                                                                                                                                                                                                                                                                                                                   180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ري
د ري
                                       HRGRAVQRPLPPLP 313
                                                                                                                                                                                                                                                                                                                                 CYSFSSREPYLWSAPSDPLELWVTGTSVTPSRLFTEPPSSVABPSEATAELTVSFTNKVF
                                                                                                                                                                                                                                                                                                                                                                                                             WSSELTATECTOTO-TORVENOSETION OF THE STATEMENT OF THE STAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               HRMRALQRELPPLE 311
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TTEKENNITASPEGISFPIGFAHQHYAKGNLVRICLGATIIIILGILAEDWHSRKKCIQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TTETSRSITTSPKESDSPAGPARQYYTKGNIVRICLGAVILIILAGFLAEDWHSRRKKIR 299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CYSFSSSSYLWSAFSDPLVLVVTGLSATPSQVPTEESFPVTESSRRPSILF---TNKIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CYSFSSRDPYLWSAPSDPJELVVTGTSVTPSRLPTEPPSSVAEFSEATAEUTVSFTIKKVF 239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PSSAVPQGRDVTLKCQSPYSEDEFVLYKEGDTGPYKRPEKWYRANFFIITVLAHISGTYR
                                                                                                                                                                                                                                                                              CYSFSSSPYLWSAPSDELVLVVTGLSATPSQVPTEESPPVTESSRRPSILP---TNKIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HRGRAVORPLPPLP
HRMRALQRPLPELP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MSPASPTEFCIGLCVLQVIQTQSGPLPKPSLQAQPSSLVPLGQSVILBCCGPPOVDLYRL
                                                                                                                                     TTEKPMNITASPEGLSPFIGFAHQHYAKGNLVRICLGATIIIILLGLLAEDWHSRKKCLQ
                                                                                                                                                                                                      TTETSRSITTSPKESDSPAGPARQYYTKGNLVRICLGAVILIILAGFLAEDWISSRKRLR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (J)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 1118; DB 9;
Pred. Mo. 2.7e-84;
5; Mismatches 68;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AND USES THEREOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 313;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       . 80
                                                                                                                                                                                                             299
                                                                                                                                                                                                                                                                                                                                                                                                                        :80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ъ
Ф
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    is
S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        297
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          237
                                                                                                                                            297
```

RESULT 15 US-09-832-312-46

```
Patent No. US20316049829A1

Patent No. US20316049829A1

GENERAL INFORMATION:
APPLICANT. Bustield et al.
TITLE OF INVENTION: GLYCOPROTEIN VI AND USES THEREOF
FILE REFERENCE: 7853-234

CURRENT FILING DATE: 2003-04-59
PRIOR APPLICATION NUMBER: US/09/832,312

CURRENT FILING DATE: 2003-06-30
PRIOR FILING DATE: 2003-06-37
PRIOR FILING DATE: 2003-02-44

PRIOR APPLICATION NUMBER: 09/50,387
PRIOR APPLICATION NUMBER: 09/454,824
PRIOR APPLICATION NUMBER: 09/503,387
PRIOR APPLICATION NUMBER: 09/503,
Search completed: Cottober 23, 2003, 09:51:23 Tob time: 72 secs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        $
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ş
                                                                                                                                                                                                                                                                                    Ş
                                                                                                                                                                                                                                                                                                                                                                                                         읎
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Matches 217; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                         238
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              181
                                                                                                                                                                                                    298
                                                                                                                                                                                                                                                                                                    300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              087
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   :2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        5)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       : MSPSPTALECTGLC-LGRVPAQSGPLPKPSLQALFSSLVPLEKPVTLRCQGPPGVDLVPL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CHILD TO THE TERM OF THE TERM 
                                                                                                                                                                                                                                                                                                                                                                                               CYSESSSEYLWSAPSDELVLVVTGLSATESQVETEESFEVTESSRRESILE---TNKIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        EKLSSSRYQDQAVLFTPAMKSSLAGRYRGSYQNGSLWSLFSDQLBLVATGVFAKFSLSAG
                                                                                                                                                                                               HEMRALCRPIPPLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CYSFSSRDPYLWSAFSDPLE...VVTGTSVTPSRLFTEPPSSVAEFSEATAELTVSFTNKVF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HRGRAVÇRPLPPLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PSSAAPQGROVTLKCQSPYSFDEFVLYKBGOTGPYKRFEKWYRANFPIITVTAAHSGTYR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            62.6%; Score 1118; DE 9;
ilarity 69.1%; Pred. No. 2.7e-84;
Conservative 25; Mismatches 68;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 313;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       [ndels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       gaps
                                                                                                                                                                                                                                                                                                                                                                                                         297
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         237
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             on
O
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   .80
```

\*

Sequence Sequence Sequence Sequence Sequence Sequence Sequence Sequence

Sequence Sequence Sequence Sequence Sequence Sequence

Sequence

```
Title:
Perfect score:
Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Minimum
Maximum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   <u>Catabase</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Total number
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Post-processing:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           protein
     1118
1080.5
1080.5
1080.5
937
937
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB seq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score
                                                                                                                                               d. No. is the number of results predicted by chance to have a
re greater than or equal to the score of the result being printed
is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ï
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   of.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           protein search,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             length:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-503-387-3
1786
1 MSPSPTALFCLGLO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query
Match
     9.2.4.2.5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gapop 10.0 ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           310SUX62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Cotober 23, 2003,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Issued_Patents_AA:*

1: /cgn2_6/ptodatn/2/laa/5A_CCN3.pep:*
2: /cgn2_6/ptodatn/2/laa/5B_CCM3.pep:*
3: /cgn2_6/ptodatn/2/laa/6B_CCM3.pep:*
4: /cgn2_6/ptodatn/2/laa/6B_CCM3.pep:*
5: /cgn2_6/ptodatn/2/laa/PCTUS_CCMB.pep:*
6: /cgn2_6/ptodatn/2/laa/backfiles1.pep:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   328717 segs.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Minimum Match 0%
Maximum Match 100%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Listing first 45 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MSPSFTALFCLGLCLGRVPA.....KSHGGQDGGRQDVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Copyright
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0
20000000000
     \begin{array}{c} 33399 \\ 33399 \\ 33399 \\ 34499 \\ 34469 \\ 34469 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\ 34669 \\
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GenCore version (c) 1993 - 2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     42310858 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gapext
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ЭВ
 US-09-345-468-3
US-09-832-312-3
US-09-832-312-3
US-09-832-312-3
US-09-832-312-3
US-09-832-312-3
US-09-832-312-3
US-09-832-312-3
US-09-832-312-3
US-09-832-312-3
US-09-345-468-5
US-09-345-468-5
US-09-345-468-16
US-09-345-468-16
US-09-341-4-33A-16
US-09-832-312-44
US-09-832-312-44
US-09-832-312-44
US-09-832-312-44
US-09-832-312-44
US-09-832-312-44
US-09-832-312-45
US-09-832-312-46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11:35:00 ; Search time 20 Seconds
(without alignments)
717.169 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ()
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Compugen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   E.E.G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   328:17
                   squence
squenc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Description
Seguence
                                    ري
دون
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 3, Application US/09345468
Facent No. 6245527
GENERAL INFORMATION:
APPLICANT: Busfield, S.
APPLICANT: Usinchenker, M.
APPLICANT: Vainchenker, M.
APPLICANT: Vainchenker, M.
APPLICANT: Vainchenker, M.
TITLE OF INVENTION: GLYCOPROTEIN VI AND USES FILE REFERENCE: 7853-147
CURRENT APPLICATION NUMBER: US/09/345,468
CURRENT FILING DATE: 1999-06-30
NUMBER OF SEQ ID NOS: 24
SOFTMARE: FastSEQ for Windows Version 3.0
SEC ID NO 3
SEC ID NO 3
LENGTH: 339
TYPE: BRISE HOMO Sapiens
US-09-345-468-3
                                                                 9
                                                                                                                                                                                                               \mathcal{Q}
                                                                                                                                                                                                                                                                                                                              C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 1
US-09-345-468-3
                                                                                                                                    8
                                                                                                                                                                                  8
                                                                                                                                                                                                                                                   8
                                                                                                                                                                                                                                                                                      Ş
                                                                                                                                                                                                                                                                                                                                                         - 8
                                                                                                                                                                                                                                                                                                                                                                                               р.
П
                                                                                                                                                                                                                                                                                                                                                                                                                                          3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local S
Matches 339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          tch 100.0%;
al Similarity 100.0%;
339; Conservative 0;
                                                                                                                                                                                    181
                                                                                                                                                                                                                        181
                                                                                                                                                                                                                                                             127
                                                                                                                                                                                                                                                                                                                                    13
                                                                                                                                                                                                                                                                                                                                                                     61
                                                                                                                                                                                                                                                                                                                                                                                                       KLSSSRYQDQAVLFIPAMKRSLAGRYRCSYQNGSLWSLFSDQLELVATGVFAKPSLSAQP
                                                                 RGRAVQRPLPPLPPLPQTRKSHGGQDGGRQDVHSRGLCS
                                                                                                           TETSRSITTSPKESDSPAGPARQYYTKGNLVRICLGAVILIILAGFLAEDWHSRRKFLRH
                                                                                                                                                                                  GPAVSSGGDVTLQCQTRYGFDQFALYKEGDPAPYKNPERWYRASFPIITVTAAHSGTYRC
                                                                                                                                                                                                                                                                              GPAVSSGGUTLOCQTRYGEDQFALYKEGDPAPYKUPERWYRAGEPIITVTAAHSGTYRC
                                          RGRAVÇRELEPLEÇTRKSHGGQDGGRQDVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-08-942-248A-18
US-09-310-463-12
US-08-842-248A-12
US-09-310-463-3
US-09-315-468-12
US-09-315-453-20
US-09-310-453-20
US-09-310-453-20
US-09-310-463-16
US-08-842-248A-16
US-08-842-248A-16
US-08-842-248A-16
US-08-842-248A-16
US-08-842-248A-16
US-08-842-248A-16
US-08-985-950-14
US-08-985-950-14
US-08-985-950-14
US-09-310-463-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (.)
-.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 1786; DB 3;
Pred. No. 8.3e-158;
); Mismatches (;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AUTGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AND USES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             THEREOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length
```

<u>.</u>

Gaps

က္

120

300

9.0

```
APPLICANT: Busfield, S.
APPLICANT: Villeval, J.
APPLICANT: Villeval, J.
APPLICANT: Villeval, M.
APPLICANT: Villeval, M.
APPLICANT: Vainchenker, M.
TITLE OF INVENTION: GLYCOPROTEIN VI AND USES
FILE REFERENCE: 7853-147
CURRENT APPLICATION NUMBER: US/09/414,453A
CURRENT FILING DATE: 1999-10-07
PRIOR APPLICATION NUMBER: 39/345,468
PRIOR APPLICATION NUMBER: 39/345,468
PRIOR FILING DATE: 1999-06-30
NUMBER OF SEQ ID NOS: 24
SCOTWARE: FASUSEQ for Windows Version 3.3
SEQ ID NO 3.5
SEQ ID NO 3.5
              APPLICANT: BUSELEIG et al.
TITLE OF INVENTICN: GLYCOPROTEIN VI AND USES THE FEFERENCE: 753-234
CURRENT APPLICATION NUMBER: US/09/832,312
CURRENT FILLING DATE: 200:-04-09
CURRENT FILLING DATE: 200:-04-09
PRIOR FILLING DATE: 200:-06-10
PRIOR PILLING DATE: 200:-06-10
PRIOR PILLING DATE: 200:-06-14
PRIOR PILLING DATE: 200:-02-14
PRIOR PILLING DATE: 200:-02-14
PRIOR PILLING DATE: 199-12-06
PRIOR FILLING DATE: 199-12-06
PRIOR PILLING DATE: 1999-06-30
NUMBER OF SEQ ID NOS: 78
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-414-453A-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-414-453A-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local S
Matches 339
                                                                                                                                                                                                                                                                                                                      Sequence 3, Application US/09832312
Patent No. 6548741
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 3, Application Patent No. 5383779 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                 -09-832-312-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 339
TYPS: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        121
                                                                                                                                                                                                                                                                                                                                                                                                                                                            30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         339;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          h 100.0%; Score 1766; DB 4;
Similarity 100.0%; Fred. No. 8.3e-158;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MSPSPTALFCUGUCLGRVPAQSGPUPKPSUQALPSSUVPLEKPVTURCQGPPGVUUYRLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RGRAVQRELEPLEPTEQTRKSHGGQDGGRQDVHSRGLCS 339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       KLSSSRYQDQAVLFIPAMKRSLAGRYRCSYQNGSLWSLPSDQLELVATGVFAKPSLSAQP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MSPSPTALFCLGLCLGRVPACSGPLFXPSLQALPSSLVPLEKPVTLRCQGPPGVDLYRLS
                                                                                                                                                                                                                                                                                                                                                                                                                                                            RGRAVORPLPPLPPLPCTERSHOGQDGGRQDVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TSTSRSITTSPKESOSPAGPARQYYTKGNEURICLGAUTITILAGFLASDWHSREKRIRH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            YSFSSRDPYLWSAPSDPLEJYVTGTSVTPSRLPEPSRSVAEFSBATAELTVSFTBKVFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GPAVSSGGDVTLQCQTRYGFDQFALYKEGDPAPYKNPERWYRASFPIITVTALHSGTYRC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          KLSSSRYQDQAVLFIPAMKRSLAGRYRCSYQNGSLWSLPSDQLELVATGVFAKPSLSAQP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TETSRSITTSPKESDSPAGPARQYYTKONIUVRICIGAVIJITIAGPTAEDHHSRRKFLRH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       YSFSSRUPYLWSAPSDPLELVVTGTSVTPSRLPTEPPSSVAEFSBATABLIVSPTNKVPT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GPAVSSGGDVTLQCQTRYGFUQFALYKEGDPAPYKNPERWYRASFPITTVTAAHSGTYRC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ON: GLYCOPROTEIN VI AND USES 7859-147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US/09414453A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ٠,
د
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                            ري
د د
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          on
O
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   282
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; LENGTH: 339
; TYPE: PRT
; ORGANISM: Homo :
US-09-832-312-3
                                                                                                                                                                                                                                                                            : LENGTH: 339
: TYPE: PRT
: ORGANISM: Homo :
US-09-832-312-34
                                                                                                                                                                                                                                                                                                                                                                                           APPLICAMI: Busfield et al.
TITLE OF INVENTION: GLYCOPROTEIN VI AND USES THE PREFISERORS: 7853-234
CURRENT APPLICATION NUMBER: US/09/832,312
CURRENT FILING DATE: 2001-04-09
PRIOR APPLICATION NUMBER: 09/610,118
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: 09/503,387
PRIOR APPLICATION NUMBER: 09/503,387
PRIOR APPLICATION NUMBER: 09/454,824
PRIOR APPLICATION NUMBER: 09/454,824
PRIOR APPLICATION NUMBER: 09/345,469
PRIOR APPLICATION NUMBER: 09/345,469
PRIOR FILING DATE: 1999-06-30
NUMBER: 09/345,469
PRIOR FILING DATE: 1999-06-30
NUMBER: 09/345,469
PRIOR FILING DATE: 1999-06-30
                                     DЪ
                                                                     ΥÇ
                                                                                                                   밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 4
US-09-832-312-34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ႘
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ë
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
Matches 339; Conserv
                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: Fa
                                                                                                                                                                                                Bust local Similarity
Matches 338; Conserv
                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 34, Appl
Patent No. 654874
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             181 YSFSSRDPYLWSAPSDPLELWYTGTSVTPSRLTTEPPSSVAEFSBATAELTVSFTNKVFT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    181 YSFSSRDPYLWSAPSDPLELVVTGTSVTPSRLPTEPPSSVAEFSEATAFLTVSFTNKVFT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             12:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                12:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ι.
O
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ربر
دن
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ņ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 MSPSPTALFCLGLCGRVPAQSGPUTARSLQALPSSLVPLEXPVTLRCQGPPGVDLYRLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NSP&FTALFC1GLC1ARVAPAQSGPL&KPS1QALF8S1AP1CEKPVT1PCCGAPDGVPLYRLE
                                                                                                                                                                                                                                                                                                                                                                              FastSEQ for Windows
                                                                                                                 GPAVSSGGDVTLQCQTRYGFDQFALYKEGDPAPYKNPERWYRASFPIITVTAAHSGTYRC
                                                              KLSSSRYQDQAVIFIPAMKRSLAGRYRCSYQNGSLWSIPSDQLELVATGVFAKPSLSAQP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GPAVSSGGDVTJQCQTRYGFDQFALYKEGDPAPYKNPERWYRASFPIITVTAAHSGTYRC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RGRAVQRPLPPLPPLPQTRKSHGGQDGGRQDVHSRGLCS 339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RGRAVQRPLPPLPPLPQTRKSHGGODGGRODVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TETSRSITTSPKESDSPAGPARQYYTKGNLVRICLGAVILIILAGFLAEDWHSRRKRLRH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TETSRSITISPKESDSPAGPARQYYTKGNLVRICLGAVILILAGFLAEDWHSRRKRJRH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        KLSSSRYQDÇAVLETPAMKRSLAGRYRCSYQNGSLWSLESDQLELVATGVEAKESLSAÇE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             KLSSSRYQDQAVJFIPAKKRSLAGRYRCSYQNGSLWSLPSDQJELVATGVFAKFSLSAQP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GPAVSSGGDVTLQCQTRYGFDQFALYKEGDPAPYKNPERWYRASFPIITVTAAHSGTYRC
                                       KLSSSRYQDQAVLFIPAMKRSLAGRYRCSYQNGSLWSLPSDQLELVATGVFAKPSLSAQP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Application US/09832312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    sapters
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%;
                                                                                                                                                                                                                 99.5%;
                                                                                                                                                                                                                                                                                                                                                                                 Version
                                                                                                                                                                                                0;
                                                                                                                                                                                              Score 1782; DB 4;
Pred. No. 2e-157;
0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 1786; DB 4;
Pred. No. 8.3e-158;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          THEREOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (2)
(2)
(3)
                                                                                                                                                                                                                                    Length 339;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length
                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
  180
                                                                             120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      60
                                                                                                                     δ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             24 C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   240
```

밁

Ş

Ş 2 8 8 Ş g, Ϋ́ g

```
APPLICANT: Busfield et al.
TITLE OF INVENTION: GLYCOPROTEIN VI AND USES
FILE REPERENCE: 7853-724
CURRENT APPLICATION NUMBER: 195/03/832,312
CURRENT FILING DATE: 2021-04-03
PRICE APPLICATION NUMBER: 09/610,118
PRICE FILING DATE: 2002-06-30
PRICE APPLICATION NUMBER: 09/503,387
PRICE APPLICATION NUMBER: 09/454,824
PRICE APPLICATION NUMBER: 09/454,824
PRICE FILING DATE: 1999-12-06
PRICE FILING DATE: 1999-13-06-30
NUMBER OF SEC ID NOS: 78
PRICE FILING DATE: 1999-13-06-30
NUMBER: PASCESO for Windows Version 3.0
                                                                                                             Ş
                                                                                                                                                   ÿ
                                                                                                                                                                                    8
                                                                                                                                                                                                                            8
                                                                                                                                                                                                                                                              Ş
                                                                                                                                                                                                                                                                                                                                                                             Сb
                                                                                                                                                                                                                                                                                                                                                                                                                                                       5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 5
US-09-832-312-36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            分
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ş
   RESULT 6
US-09-832-312-38
                                                                                                                                                                                                                                                                                                    8
                                                                                                                                                                                                                                                                                                                                     Ş
                                                                                                                                                                                                                                                                                                                                                                                                               á
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local S
Matches 338
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 36, Application Patent No. 6548741
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: P
                                                                                                               301
                                                                                                                                                                                      241
                                                                                                                                                                                                                            181
                                                                                                                                                                                                                                                              18:
                                                                                                                                                                                                                                                                                                    121
                                                                                                                                                                                                                                                                                                                                       121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12:
                                                                           301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              al Similarity 99.7
338; Conservative
                                                                                                                                                                                                                                                                                                                                                                               61
                                                                                                                                                                                                                                                                                                                                                                                                                 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               339
                                                                                                                                                                                                                                                                                                                                                                                                                                                   RGRAVQRPLPPLPPLPOTRKSHGGQDGGRQDVHSRGLCS
                                                                                                                                                                      TETSRSITTSEXESDSPAGPARQYYTKGNLVRICLGAVILLILAGFLAEDMHSRRXRIRH
                                                                                                                                                                                                                          VSFSSRDPYLWSAPSDPLEDVVTGTSVTPSRLFTEPPSSVAEFSBATAELTVSFTNKVFT
                                                                                                                                                                                                                                                YSFSSRDPYLWSAPSDPLBJYVTGTSVTPSRJPTEPPSSYABFSEATAELTVSFTNKVFT
                                                                                                                                                                                                                                                                                                    GPAVSSGGDVTLQCQTRYGFDQFALYKEGDPAPYKNPERWYRASFPIITVTAMISGTYRC
                                                                                                                                                                                                                                                                                                                         GPAVSSGGDVTLCCQTRYGFDQFALYKEGDPAPYKNPERWYRASFPIITVTAAHSGTYRC
                                                                                                                                                                                                                                                                                                                                                                                                   KLSSSRYQDQAVLFIPAMKRSLAGRYRCSYCNGSLWSLPSDQLELVATGVFAKPSLSAQP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RGRAVQRPLPPLPPLPQTRKSHGGQDGGRQDVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RGRAVQRPLPPLPPLPCTRKSHGGCDGGRCDVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TETSRSITTSPKESDSPAGPARQYYTKGNLVRICLGAVILILAGFLAEDMISRRKSLRH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TETSRSITTSPKESDSPAGPARQYYTKGNIVRICLGAVILLILAGFLAEDWHSRRKRLRH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             YSFSSRDEYLWSAPSOPLELVVTGTSVTPSRLPTEPPSSVAEFSEATAELTVSFTNKVFT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GPAVSSGGDVTLOCQTRYGFDQFALYKEGDPAFYKNPERWYRASFPIITVTAAHSGTYRC
                                                                                                                                                 TETSRSITTSPKESDSPAGPARQYYTKGNLVRICLGAVILIILAGFLAEDWHSRRKRLRH
                                                                                                                                                                                                                                                                                                                                                                           KLSSSRYQDQVVILFIPANKRSLAGRYRCSYQNGSLWSLPSDQLELVATGVFAKPSLSAQP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    YSESSRDPYLWSAPSDPLELVVTGTSVTPSRLPTEPPSSVAEFSBATABLTVSFTNKVFT
                                                                         RGRAVQRPLPPLPPLPQTRKSHGGQDGGRQDVHSRGLQS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              99.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         35/09832312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 1782; DB 4
Pred. No. 2e-157;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AND USES THEREOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                UH 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                    180
                                                                                                                                                                                                                                                                                                                                       180
                                                                                                                                                                                                                                                                                                                                                                             120
                                                                                                                                                                                                                                                                                                                                                                                                                                                     9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (a)
                                                                                                                                                                                    300
                                                                                                                                                                                                                            240
                                                                                                                                                                                                                                                              240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            30C
           Sequence 40, Application US/09932312
PAREST NO. 6548741
GENERAL INFORMATION:
AFFLICANT: BESETEID et al.
TITLE OF INVENTION: GLYCOPROTEIN VI AND USES THE
FILE REFERENCE: 7853-234
CURRENT AFFLICATION NUMBER: US/09/832,312
CURRENT FILING DATE: 2001-04-09
PATOR AFFLICATION NUMBER: 09/610,118
PRIOR FILING DATE: 2000-06-33
PRIOR AFFLICATION NUMBER: 09/503,337
PRIOR FILING DATE: 2000-00-14
PRIOR AFFLICATION NUMBER: 09/503,337
PRIOR FILING DATE: 1999-10-06
PRIOR AFFLICATION NUMBER: 09/454,824
PRIOR AFFLICATION NUMBER: 09/454,824
PRIOR AFFLICATION NUMBER: 09/454,824
PRIOR AFFLING DATE: 1999-10-06
PRIOR FILING DATE: 1999-10-06
PRIOR FILING DATE: 1999-06-30
PRIOR FILING DATE: 1999-06-30
PRIOR FILING DATE: 1999-06-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PATENT NO. 6548741

GENERAL INFORMATION:
APPLICANT: BLEEFAID et al.
TITLE OF INVENTION: GLYCOPROTEIN VI AND USES THE
FILE RESERENCE: 7853-234

CURRENT FILING DATE: 2001-04-09
PRIOR APPLICATION MUMBER: US/59/832,312

CURRENT FILING DATE: 2000-06-30
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: 09/503,387
PRIOR FILING DATE: 2000-02-14
PRIOR APPLICATION NUMBER: 09/454,824
PRIOR FILING DATE: 2000-02-14
PRIOR FILING DATE: 2000-03-14
PRIOR FILING DATE: 2999-12-06
PRIOR PRIOR DATE: 1999-12-06
PRIOR PRIOR DATE: 1999-12-06
PRIOR RELING DATE: 1999-06-30

NUMBER OF SEO ID NOS: 78
SECTIMARE: FREESEQ for Windows Version 3.0

LENGTH: 333
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        문
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C,
                                                                                                                                                                                                                                                                                                                                     RESULT 7
US-09-832-312-40
                                                                                                                                                                                                                                                                                                                                                                                                                                               $
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                片
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ) ORGANISM: Homo US-09-832-312-38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Я
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 99.8%;
Best Local Similarity 99.7%;
Matches 330; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Seguence 38, Application US/09832312 Patent No. 6548741
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    181
                                                                                                                                                                                                                                                                                                                                                                                                                 301
                                                                                                                                                                                                                                                                                                                                                                                                                                                     301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ;;
;;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   δ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FastSEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GPAVSSGGDVTLGCCTRYGFDQFALLXEXGDPAPYKNPERWYRASFPIITVTMAHSGTYRC
                                                                                                                                                                                                                                                                                                                                                                                                                                     RGRAVQRPLPPLPPLPQTRKSHGGQDGGRQDVHSRGLCS 339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TETSRSITTSPKESDSPAGPARQYYTKGNLVRICLGAVILLILAGFLAEDWHSRRKRLRH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               KISSSRYQDQAVIFIPAMKRSLAGRYRCSYQNGSLWSIPSDQLEIVATGVFAKPSISAQP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     KISSSRYQDQAVIETPAMKRSLAGRYRCSYQNGSLWSUPSDQLELVATGVEAKPSLSAQE
                                                                                                                                                                                                                                                                                                                                                                                                               RGRÁVQRPLPPLPPLPQTRKSHGGQJGGRQDVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TETSRSITTSPKESDSPAGPARCYYTKGNLVRICLGAVILIILAGFLAEDWHSRRKRLRH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GPAVSSGGDVTLQCQTRYGFDQFALYKEGDPAPYKNPERWYRASFPITTATAAHSGTYRC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 sapiens
   for Windows
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 1782; DB 4;
Pred. No. 2e-157;
0; Mismatches 1;
Version
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Saps
```

300

240

240

180

60

```
US-09-345-468-5

Sequence 5, Application US/09345468

PATENT NO. 6245527

GENERAL INFORMATION:
APPLICANT: Busfield, S.
APPLICANT: Willeval, J.
APPLICANT: Villeval, J.
APPLICANT: Valnoherker, W.
TITLE OF INVENTION GLYCOPROTEIN VI AND USES
FILE REFERENCE: 7853-147
CURRENT APPLICATION NUMBER: US/09/345,468
CURRENT APPLING DATE: 199-06-36

RUMBER OF SEC ID NGS: 24
SCOTMARE: FROUSED FOR Windows Version 3.0
SEC ID NO 5
SEC ID NO 5
SEC ID NO 5
SEC ID NO 5
SEC TO NO
                                                                                Ş
                                                                                                                                  S
S
                                                                                                                                                                          ΥÇ
                                                                                                                                                                                                                         8
                                                                                                                                                                                                                                                                    Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ω.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; TYPE: PRT; ORGANISM: Homo
US-09-832-312-40
                                                                                                                                                                                                                                                                                                              Chery Match 94.0%; So
Best Local Similarity 100.0%; P
Matches 319; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Matches 338; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    IJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TH: 339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        241
                                                                                     4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12:
                                                                                                                                  9
                                                                                                                                                                               81
                                                                                                                                                                                                                                                                    2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  5/2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3
                                                                                                                                                         SLAGRYRCSYOMGSLWSLPSDQLELVATGVFAKPSLSAQPGPAVSSGGDVTLQQQTRYGF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MSESETALECUGICLGRVPACAGELEKDSICALDELEKDVILLECQGDPGVDLYBLE
    VVTGTSVTPSRLPTEPPSSVAEFSEATAELTVSFTNKVFTTETSRSITTSPKESDSPAGP
                                                                      DQFALYKEGDPAPYKNPERNYRASEPIITVTAAHSGTYRCYSESSREPYLWSAPSEPLEL
                                                                                                                                  SLAGRYROSYQNGSLWSLPSDQLELVATGVPAKPSLSAQPGPAVESGGDVTLQCQTRYGF
                                                                                                                                                                                                                         QSGPLPKPSLQALPSSLVPLEKPVTLRCCGPPGVDLYRLEKLSSSRYQDQAVLFTPAYKR
                                                                                                                                                                                                                                                     RGRAVORPLPPLPPLPQTRKSHGGQDGGRQDVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RGRAVQRPLPPLPPLPQTRKSHGGQDGGRQDVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TETSES: TTSPKESDSPAGPARQYYTKONLVRICLGAVILIILAGFLAEDWHSRRKELRH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TETSRSITTSEKESDSPAGPARQYYTKGNLVRICLGAVILLILAGELAEDWSSRRK9LPH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GPAVSSGGDVTLQCQTRYGFDQFALYKECDPAPYKNPERWYRASFPIITVTAAHSGTYRC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               KLSSSRYODQAVLFIPAYKSSLAGRYRGSYQNGSLWSLPSDQLELVATGVFAKPSLSAGP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         KLSSSRYCDOAVLEIPAMKRSLAGRYRGSYQNGSLWSLESDQLELVATGYEAKESISAGP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MSPSPTÄLFCLGLCLGRVPÄCSGPLPKPSLÇÄLPSSLVPLEKPVTLRCQGPPGVDLVRLB
                                          DGFALYKEGDPAPYKNPERWYRASFPIITVTAAHSGTYRCYSFSSRDPYLWSAPSDPLEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                sapions
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      99.8%;
99.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ၁
                                                                                                                                                                                                                                                                                                                 Score 1678; DB 3; ; Pred. No. 8.1e-148; c; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 1782; DR 4;
Pred. No. 2e-157;
0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    USES
                                                                                                                                                                                                                                                                                                                   0; Indels
                                                                                                                                                                                                                                                                                                                                                           Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
                                                                                                                                                                                                                                                                                                                   0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9
                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                       ή·()
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     di
di
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ن.
د:
                                                                                                                                  :20
                                                                                                                                                                            40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 5. Application US/09414453A

Patent No. 6383779

GENERAL IMPORMATION:
APPLICANT: Busfield, S.
APPLICANT: Vileval, J.
APPLICANT: Vileval, J.
APPLICANT: Valnochenker, M.
CURRENT ELING DATE: 1999-10-07

PRIOR APPLICATION NUMBER: US/03/414,453A
CURRENT FILING DATE: 1999-10-07

PRIOR APPLICATION NUMBER: 09/45,468

PRIOR APPLICATION NUMBER: 09/45,468

PRIOR APPLICATION STANDARD: 1999-06-30

NUMBER OF SEQ ID NOS: 24

NUMBER OF SEQ ID NOS: 24

SOSTWARE: PastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ç
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8
                                                                                                                                                       RESULT 10
US-09-832-312-5
                                                                                                                                                                                                                                                                                                                                                                         8
                                                                                                                                                                                                                                                                                                                                                                                                                                D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 9
US:09-414-453A-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ႘
                                                                                                                                                                                                                                                                                         Ş
                                                                                                                                                                                                                                                                                                                                        윉
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-414-453A-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: Fast
SEQ ID NO 5
SEQ ID NO 5
SENGTH: 319
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      94.0%;
Sest Local Similarity 100.0%;
Matches 319; Conservation
Sequence 5, Application US/09832312
Patent NO. 654874:
GENERAL INFORMATION:
APPLICANT: Busfield et al.
APPLICANT: Busfield et al.
TITLE OF INVENTION: GLYCOROTEIN VI AND US
FILE REFERENCE: 7853-234
CURRENT APPLICATION NUMBER: US/09/832,312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          181
                                                                                                                                                                                                                                                 301
                                                                                                                                                                                                                                                                                              321
                                                                                                                                                                                                                                                                                                                                           24:
                                                                                                                                                                                                                                                                                                                                                                                                                                181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            21 QSGPLPXPSLQALPSSLVPLBKPVTLXCQGPPGVDLYRLEKLSSSRYQDQAVLFTFAMKR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SHGGQDGGRQDVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          VVTGTSVTPSRLPTEPPSSVAEFSEATAELTVSFTNKVFTTETSRSITTSPKESDSPAGP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ARQYYTKGNLVKICLGAVILIILAGFLAEDWHSRRKRLRHRGRAVQRPLPFLFPLPQTRK
                                                                                                                                                                                                                                                 SHGGQDGGRQDVHSRGLCS
                                                                                                                                                                                                                                                                             SHGGQDGGRQDVHSRGLCS
                                                                                                                                                                                                                                                                                                                                                                       ARQYYTXGNLVRICLGAVILII.AGFLAEDWHSRRKRLRHRGRAVQRDLPELPELPQTRK
                                                                                                                                                                                                                                                                                                                                                                                                                                VVTGTSVTESRIETEPPSSVASFSEATAELTVSFTNKVFTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                            VVTGTSVTESRLPTEPPSSVAEFSEATAELTVSFTNXVETTETSRSITTSPKEGDSPAGP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    QSGPLPKPSLQALPSSLVPLEKPVTLRCQGPPGVDLVRLEXLSSGRVCDQAVLETPANKR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ARQYYTKGNLVRICLGAVILIILAGFLAEDWHSRRKRLRHRGRAVQRPLPPLPPLPQTRK
                                                                                                                                                                                                                                                                                                                                           ARQYYTKGNLVRICLGAVILIILAGELAEDWHSRRKRLRHRGRAVGRENEELEPLEQTRK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 1678; DB 4; 1; Pred. No. 8.1e-148;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3.29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      339
                                                                                                                                                                                                                                                 319
                                                                                                                                                                                                                                                                                              339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mismatches
                                               AND USES
                                                 THEREOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                    ETSRSITISPKESUSPAGE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        319;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
```

on C)

180

200

240 260

```
CURRENT APPLICATION NUMBER: US/09/345,468; CURRENT FILING DATE: 1999-06-30; NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 3.0
SEC ID NO 9
LENGTH: 249
TYPE: PRT
CRGANISM: Homo sapiens
US-09-345-468-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: 09/610,118
PRIOR FILING DATE: 2000-06-30
PRIOR REPLICATION NUMBER: 09/503,387
PRIOR ETLING DATE: 2000-02-14
PRIOR APPLICATION NUMBER: 09/454,824
PRIOR APPLICATION NUMBER: 09/454,824
PRIOR FILING DATE: 1999-12-06
PRIOR APPLICATION NUMBER: 09/345,468
PRIOR FILING DATE: 1999-06-30
NUMBER: 09 SEQ ID NOS: 78
SOFTWARE: FASESEQ for Windows Version 3.
SEC ID NO 5
SEC ID NO 5
SEC ID NO 5
                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
APPLICANT: Busfield, S.
APPLICANT: Villeval, J.
APPLICANT: Villeval, J.
APPLICANT: Vainobenker, M.
APPLICANT: Vainobenker, M.
TITLE OF INVENTION: GLYCOPROTEIN VI AND FILE REFERENCE: 7853-147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          문
                         Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 11
US-09-345-468-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   문
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            문
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; TYPE: PRT
; ORGANISM: Homo
US-09-812-312-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 94.0%; Score 1678; DE 4; Best Local Similarity 100.0%; Fred. No. 8.1e-148; Matches 319; Conservative 0; Mismatches 0;
                                                                   Ouery Match

3.0%; Score 1304; DB 3;
Best Local Similarity 100.0%; Pred. No. 3e-113;
Matches 249; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 9, Application Patent No. 6245527
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                26:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            F.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             : 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         8.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2:
                           21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                QSGPLPXPSIQALPSSIVPLEXFVTLRCQGPPGVDLYRLEKLSSSRYQDQAVIFIPAXKR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SHOGQDGGRQDVHSRGLCS 319
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           VVTGTSVTPSRLFTEPPSSVAEFSBATAELTVSFTNKVFTTETSRSITTSPXESDSPAGP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DOPALYKEGDRAYYAMATYTTTTTTASAMAWARAMAYAMAGGSAXYLAFOLL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SLAGRYRCSYQNGSLMSLPSUQLELWATGVFAKFSLSAQPGPAVSSGGDVTUQCQTRVGF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CSGPTEKPSCOADESSIANDERFALTENCOOPERSAGENSTEANAKR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SHGCQDGGRQDVHSRGLCS 339
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DOFALYKEGDPAPYKNPBRWYRASPPIITVTAAHSGTYRCYSESSRDPYLWSAPSDPLEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ARQYYTKGNIVRICLGAVILIILAGELABDWHSRRKRLRHRGRAVORFLPPLPPLPQTRK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ARQYYTKGNLVRICLGAVILILLAGSLABDWHSRRKRLBHRGRAVQRELPPLDFLPOTRK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2001-04-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US/09345468
                                                                                                                                                                                                                                                                                                                                                                                                            AND USES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 bength
                                                                                                              Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      indels
                                                                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0
                                                                      .,
                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                G 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                240
                                                                      0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 9, Application US/09414453A
Patent No. 636379
SEMERA: INFORMATION:
APPLICANT: Busfield, S.
APPLICANT: Villeval, J.
TITLE OF INVENTION: GLYCOPROTEIN VI AND USES THE
FILL REFERENCE: 7853-147
CURRENT FILING DATE: 1399-10-07
CURRENT FILING DATE: 1399-10-07
RIOR APPLICATION NUMBER: 09/345-468
PRIOR APPLICATION NUMBER: 09/345-468
PRIOR APPLICATION NUMBER: 09/345-468
PRIOR APPLICATION SECTION OF SEC ID NO.9
S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ᄗ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Вþ
                                                                                            RESULT 13
US-09-832-312-9
                                                                                                                                                                                                                                    Ş
                                                                                                                                                                                                                                                                                         <u>5</u>.
                                                                                                                                                                                                                                                                                                                               8
                                                                                                                                                                                                                                                                                                                                                                                 Β'n
                                                                                                                                                                                                                                                                                                                                                                                                                                 Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                문
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                뮍
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 문
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-414-453A-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-414-453A-9
Sequence 3, Application
Patent No. 6548741
GENERAL INFORMATION:
APPLICANT: Busfield et
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 73.0%; So
Rest Local Similarity 100.0%; F
Matches 249; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          \\
4.
F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       261
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 :41
                                                                                                                                                                                         241
                                                                                                                                                                                                                                         261
                                                                                                                                                                                                                                                                                         181
                                                                                                                                                                                                                                                                                                                                         201
                                                                                                                                                                                                                                                                                                                                                                                      121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21 QSGPLEKPSLQALPSSLVPLEKPVTLRCQGPPGVDLYRLEKLSSSRVQDQAVLFTFAAKR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 €,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           _
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SLAGRYRCSYQNGSLMSLPSDQLELVATGVFAKPSLSAQPGPAVSSGGDVTLQCQTRYGF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ARCYYTKGN
                                                                                                                                                                                                                                                                                                                    VVTGTSVTPSRLPTSPSSSVAEFSEATAELTVSFTNKVFTTETSRSITTSPXESDSPAGF
                                                                                                                                                                                                                                                                                                                                                                                   DOFALYKEGDPAPYKNPERWYRASFPIITVTAAHSGTYRCYSFSSRDFYLWSAPSDFI.EL
                                                                                                                                                                                                                                                                                                                                                                                                               DQFALYKEGDƏAPYKASERNYRASFPIITVTAAHSGTYRCYSFSSRDEYKHSAPSDƏLEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SLAGRYRCSYQNGSLWSLPSDOLELVATGVFAKPSLSAQPGPAVSSGGDVTLQCOTRYGF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                QGGPLPKPSJQALPSSUVPIEKPVTLRCQGPPGVJJYRLEKLSSSRVQDQAVLFTPAVKR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ARQYYTKGN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AROYYTKGN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  VVTGTSVTPSRLPTEPPSSVAEFSEATAELTVSFTNKVFTTETSRSITTSPKESDSPAGP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CGFALYKEGDPAPYKNPERWYRASPPITTVTAAHSGTYRCYSFSSRDPYLWSAPSDPLEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DQFALYKSGDPAPYKNPSRWYRASSPIITVTAAHSGTYRCYSFSSRDSYLWSAPSDPLEL 200
                                                                                                                                                                                         ARQYYTKGN
                                                                                                                                                                                                                                                                                         VVTGTSVTPSRLPTEPPSSVAEFSEATAELTVSFTNKVFTTETSRSITTSPKESDSPAGP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              QSGPLPKPSLQALPSSLVPLEKPVTLRCQGPPGVDLYRLEKLSSSRYQDQAVLFIPAMKR
                                                                                                                                                                                         249
                                                                                                                                                                                                                                         269
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          243
                                                                        US/09832312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 1304; DB 4; Pred. No. 3e-113;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 4; Length 249;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             <u>ن</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
```

140

G)

(A) 180

3.80 179

297

299 237

```
Sequence 16, Application US/09345468
Patent NO. 6245527
GENERAL IMPORMATION:
APPLICANT: Busifield, S.
APPLICANT: Willeval, J.
APPLICANT: Villeval, J.
APPLICANT: Villeval, M.
APPLICANT: Valnohommer, M.
APPLICANT: January M.
APPLICANT: January
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       당
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            맑
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  망
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       á
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILE REFERENCE: 7853-234
CURRENT APPLICATION MUMBER: US/09/832,312
CURRENT FILING DATE: 2001-04-09
PRIOR APPLICATION MUMBER: 39/610,116
PRIOR APPLICATION MUMBER: 39/610,116
PRIOR APPLICATION MUMBER: 39/63,387
PRIOR APPLICATION NUMBER: 39/454,824
PRIOR FILING DATE: 1999-06-30
NUMBER OF SEQ ID NOS: 78
                                                                                                                                                                                                           ; TYPE: FRT; ORGANISM: Mus musculus US-09-345-468-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 14
US-09-345-468-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 249
TYPE: PRT
ORGANISM: Homo sapions
US-09-832-312-9
     叧
                                                 Ş
                                                                                                     Query Match
Best Local &
Matches 218
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 73.0%;
Best Local Similarity 100.0%;
Matches 249; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SCFTWARE: FastSEQ for Windows SEQ ID NO 9
                                                                                                                                                                                                                                                                                        LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OF INVENTION: GLYCOPROTEIN VI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         161
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              141
                                                                                                  tch 62.8%; Score 1122; DE 3; al Similarity 69.4%; Pred. No. 3.3e-96; 218; Conservative 25; Mismatches 67;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      81
                                                                                                                                                                                                                                                                                        3,3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OSGPLPKPS:OALESSIVELEKPVTLRCOGEEGVDLYRLEKLSSSRYCDQAVLFIFAMKR
                              MSPSETALFCLGSLG-LGRVPAQSGELPXPSSLQALPSSLVPLEKPVTLRCQGPPGVDLYRL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ARCYYTKGN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        VVTGTSVTPSRLPTSPPSSVASFSEATAELTVSFTNKVFTTETSRSITTSPKESDSPAGP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STAGRYRCSYQMGSLMSTESDQTETAMTGAFAKESTSVÖLGBAARSGGDALTVÖLGTEKGE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SIAGRYRCSYQNGSIMSIPSOQIELVATGVFAKPSLSAQPGPAVSSGGDVTIQCQTRYGF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ARCYYTKON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       VVTGTSVTPSRLPTEPPSSVARESEATABLTVSFTNKVFTTBTSRSITTSPKESDSPAGP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DOFALYKEGDPAPYKNPERWYRASEPIITVTAAHSGTYRCYSFSSRDPYLWSAFSDPLEL
MSPASPTEFCIGLOVLQVIQTQSGPLPKPSLQAQPSSLVPLGQSVTLRCQGPPDVDLYRL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     269
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        73.0%; Score 1304; DB 4; 100.0%; Pred. No. 3e-113; live 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Version
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AND USES THEREOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AND USES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                    Length 313;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0
                                                                                                     Scape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (I)
     60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               $
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         D
D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ω,
(.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 15
US-09-414-453A-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              S.
                                                                                                                           8
                                                                                                                                                                               Ş
                                                                                                                                                                                                                                    밁
                                                                                                                                                                                                                                                                                8
                                                                                                                                                                                                                                                                                                                                         ä
                                                                                                                                                                                                                                                                                                                                                                                     0
                                                                                                                                                                                                                                                                                                                                                                                                                                            ũ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ş
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-414-453A-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Fast SEQ ID NO 16 LENGTH: 313
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 16, Application US/09414453A
PATENT NO. 6983779
GENERAL INFORMATION:
APPLICANT: Busfield, S.
APPLICANT: Villeval, J.
APPLICANT: Valnotenter, M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 218; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILE REFERENCE: 7853-147
CURRENT APPLICATION NUMBER: US/03/414,453A
CURRENT FILING DATE: 1999-10-07
PRIOR APPLICATION NUMBER: 09/345,468
PRIOR FILING DATE: 1999-26-30
NUMBER: 05 SEQ ID NOS: 24
NUMBER: 05 SEQ ID NOS: 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
ORGANISM: Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           298
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              238
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           120
                              298
                                                                            300
                                                                                                                                                                                                                                                                                        9.0
                                                                                                                                                                                                                                                                                                                                         21
                                                                                                                                                                                                                                      181
                                                                                                                                                                                                                                                                                                                                                                                           120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  t-y
QJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Φ
O
                                                                                                                                                                                                                                                                                                                                                                                                                                               91
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                : MSPSPTALFOLGIC-LGRVPAQSGPLFKPSJQALFSSLVPLEKPVTLRCQGPPGVDLYRL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             EKLSSSRYQDQAVLFIPANKRSLAGRYRCSYQNGSLWSLPSDQLELVATGVFAKPSLSAQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CYSFSSSSPYLWSAPSDPLVLVVTGLSATPSQVPTEESFPVTESSRRPSILP---TNKIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PSSAVPOGRDVTLKCCSPYSFDEPVLYKEGDTGPYKRPEKWYRANFPIITVTAAHSGTYR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EXLXPEXYEDQUELFIPTMERSNAGRYRCSYQNGSHWSLPSDQLELIATGVYAKPSLSAH
                                                                                                                                                                                                                                                                       CYSPSSRDPYLWSAPSDPLELVVTGTSVTPSRLPTRPPSSVAEFSEATAELTVSFTNKVF
                                                                                                                                                                                                                                                                                                                                                                             PGPAVSSGGDWTLQCQTRYGFDQFALYKEGDPAPYKNPERWYRASFPIITVTAAHSGTYR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EKISSSRYDDÇAVIFIPAMKRSLAGRYROSONGSIMSLPSODIETVATGYFAKFSIJSAÇ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MSPASPTFFC1GLCVLCVIQTCSGPLFKPSLQACPSSLVPLGQSVILACQGPPDVDLYRL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQ ID NOS: 24
FastSEQ for Windows Version
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HRMRALQRPLPFUP 311
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HRGRAVQRPLPPLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TTEKPMNITAGFEGLSPPIGFAHQNYAKGNLVRICUGATIIIIUGLLASDWHSRKKCLQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TTETSRSITTSEKESDSFAGPARQYYTKGNLVRIGLSAVILIILAGFLAEDWHSRRKRLR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CYSESSRDEYLWSAPSDELELVVTGTSVTESRLPTESESSVAEFSEATAELTVSFTNKVF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PGPAVSSGGDYTLQCQTRYGFDQFALYKEGDPAPYKNPERWYRASFPILTYTAAHSGTYR
                                                                                                                              TIEKPYNITASPEGLSPPIGFAHOHVAKONLVRICLGATIIIILLGULAEDWHSRXKCLQ
                                                                                                                                                            TTETSRSITTSPKESDSPAGPARQYYTKGNLVRICLGAVILLILLAGFLAEDWHSSRXRLR
                                                                                                                                                                                                                                      CYSFSSSBYLWSAPSCPLVLVVTGLSATPSOVPTEESFPVTESSRRPSILP---TNKIS
                                                                                                                                                                                                                                                                                                                                         PSSAVPQGRDVTLKCQSFYSFDEFVLYKEGDTGPYKRPEKWYRANFFIITVTAAHSGTYR
                                                                                                                                                                                                                                                                                                                                                                                                                                            SKLKPEKYEDQDFLFÍÞTMERSNAGRÝRÓSYÐNGSHWSLÞSDQLBLIATGVYAKÞSLSAH
                                                                          HRGRAVCRPLPPLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    สนร์ตาไนธ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     62.8%; Score 1122; DB 4; 69.4%; Fred. No. 3.3e-96; tive 25; Mismatches 67;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            313
                                                                            313
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 313;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
```

4.

Gaps

120 119 <u>က</u>

299

237

180

Search completed: October 23, 2003, 11:38:25 Job time : 21 secs